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CASSELL'S

MINIATURE CYCLOPÆDIA

BY

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PREFACE.

THIS little book aspires to be a handy and accurate answerer of no inconsiderable number of the thousand and one questions which arise in the course of every-day life, and which have ordinarily to be solved by reference to one or more bulky, expensive, and perhaps hardly obtainable volumes. It can be carried conveniently even in the pocket, and may therefore be consulted at any moment and in circumstances which entirely preclude reference to a larger work.

The compilation of the MINIATURE CYCLOPÆDIA was suggested by the publication, at Stuttgart, of Dr. Kürschner's TASCHEN-KONVERSATIONS-LEXIKON, a work the usefulness of which is now generally recognised throughout Germany. I have also borrowed from Dr. Kürschner the code of symbols by the use of which he was enabled to compress the contents of a small reference library within the compass of a pocket-volume; and I venture to think that this code, which is fully explained on the cover, is so simple and so appropriate that anyone may master it in less than five minutes. The present volume is, however, in no sense of the words a translation, or even an adaptation, of Dr. Kürschner's book, but an entirely independent compilation.

In consulting it, the following, besides the points mentioned in the Key, should be borne in mind:—Names which are not found under "De" or "D'" should be looked for elsewhere: *e.g.*, for "De Stael," *v.* "Stael;" and for "D'Estrées," *v.* "Estrées." German names which contain the double

vowels *ae*, *oe*, *ue*, if not found in order, should be looked for under the equivalents, *ä*, *ö*, and *ü*. The official spelling of Indian geographical names has, with few exceptions, been adhered to. Temperatures, save where otherwise mentioned, are given according to Fahrenheit's scale.

I am well aware of the book's shortcomings. The whole fund of human knowledge cannot be compressed into 764 small pages; but if the information which I have given be found useful, I shall be satisfied. Errors, of course, there must be. No pains have been spared to avoid them: yet some have doubtless been overlooked. I shall be much obliged if the reader who may detect any such errors will kindly call the attention of the Publishers to the fact.

W. L. C.

CASSELL'S

MINIATURE CYCLOPÆDIA.

A.

A, vowel. First letter of alph. Sign of priority. A. = *anno* = in the year. A. = *ante* = before. A., ♮, = alto. A., ♭, = able. A1, ♁, = of first class. Sixth ♮ note in scale of C maj. = It. and Fr. *la*. In logic, symb. universal affirmative.

Aa, ⚓s in Germ., Switz., Holl., Russ., &c.

Aachen = Aix-la-Chapelle. ⊙ Rhen. Pruss. 85,432 inh. Springs cure gout, &c. Mnfs. wool, silk. Treaty of A. 2/5 1668: do. 18/10 1748. Congress of A. 1818.

Aalborg, ♁ ⊙, Jutland, in dist. of same name. 14,200 inh.

Aali Pasha, Mehemet Emin, Turk. statesm. * 1815 Constantinople, † 6/9 71. Liberal reformer.

Aalst, ⊕ Belg. 19,000 inh.

Aar, ⚓ Switz. Source in Berne. Affluent. of Rhine.

Aarau, cap. ⊙ cant. Aargau. Switz. 5,944 inh.

Aardvark = earth-pig, mammal, ord. *edentata*, inh. S. Africa.

Aardwolf = earth-wolf, carniv. animal resembg. hyæna, inh. S. Africa.

Aarestrup, E., Dan. poet. * 4/12 1800, † 56.

Aargau, cant. Switz. 198,266 inh.

Aarhuus, dist. & ⊙ Jutland. ⊙ 24,831 inh.

Aaron, brother of Moses, & high priest of the Jews.

A.B., ⚓, able-bodied seaman.

Ab, 11th month of Jewish year.

Ababdeh, tribe of 50,000 in Nubia.

Abacus, 1] △, level tablet on top of capital. 2] In math., frame for teaching calculation.

Abadites, Moor. dynasty in Seville, 1023–91.

Aban, 8th mo. of Parsi year.

Abano, Peter de, It. ✗. * 1250 Abano, † 1316. ⚗ & alchem. ✓.

Abarbanal, Isaac, Span. rabbi, * 1437, † 1508 Venice. † ✓.

Abased, Heraldry, shut or drooping.

Abasia, or Abkhasia, dist. of Caucasus on Black Sea. Russ. since 1820. Ct. 150,000 inh.

Abattis, ✕, temp. defence of felled timber.

Abattoir, Fr = slaughterhouse.

Abauzit, Firmin, Fr. ⚗ & †, * Uzes 1679, † 1767.

Abba, Heb = the father.

Abbandonatamente, ♮, without restraint of time.

Abbas I., the Grt., Shah of Pers. 1586–1628.

Abbasides, line of Arab khalifs, 749–1257.

Abbas Pasha, * 1813 Jeddah. Viceroy Egypt. † 13/7 54.

Abbatucci, 1] Giac. P., party leader in Corsica. * 1726, † 1812. 2] His grt. neph. Jac. P. Ch. * 21/12 1791 Corsica. 52 Fr. Min. of Just. † 11/11 57.

Abbeville, ⊙ Somme, France. 22,000 inh. Treaty of A. 1259. Mnfs. wool, velvet.

Abbot, Geo., Archbp. Cant. * 1562, † 1633.

Abbuna, or Abuna, title of the Abyss. patriarch.

Abd, Arab. = servant.

Abdallah, father of Mahomet, renowned for beauty.

Abdallatif, Arab. ♛. * 1161 Bagdad, † 1231.

Abd el Kader, Alger. chief. * 1807 Maskara. Heroically opp. French 1831–47. Captd. by Duc d'Aumale. Libertd. 52. † May, 83 Damascus. ✓.

Abderite, a scoffer. Democritus was * Abdera, Thrace.

Abdomen, region of body betw. diaphragm and pelvis. In insects, latter half of body.

Abd ul Aziz, Turk. Sult. * 1830. Reigned 61–76. Murdered 4/6 76.

Abd ul Hamid, 1] I., Turk. Sult., * 20/5 1725, succ. 74. † 7/4 89. 2] II. Sult., * 22/9 1842, succ. 76.

Abd ul Medjid, Turk. Sult. * 23/4 1823, succ. 39. † 25/6 61.

Abdurrhaman, 1] * 731. Founded Arab. kingd. Cordova 755. † 788. 2] Sult. Morocco. * 28/11 1778, succ. 1823, † 59.

A'Beckett, 1] Arth. W., Eng. rom. and com. ✓, * 25/10 1844 Hammersmith. 2] Gilb. Abbot, Eng. ⚖ & com. ✓. * 1811, † 56. Auth. Comic Hist. of Eng., &c. 3] Thomas, Eng. eccles. * 1119, educ. Oxford, Paris, and Bologna. Made Chanc. by Henry II. Archbp. of Cant. 1162. Murd. at instig. of king 29/12 1170. Subs. canonised.

Abegg, J. Fried. H., * 1796 † 68. Germ. ✓.

Abel, 1] Otto, ♛ ✓, * 21/1 1824, † 28/10 54 Bonn. 2] Niels Henrik, math. * 5/8 1802 Findör, † 6/4 29 Christiania. Theory of elliptic functions.

Abelard, Peter, schol. and †, * 1079 Palet, † 21/4 1140 Chalons. Loved and marr. Heloise, niece of Canon Fulbert of Paris, who persecuted him. Tomb in Père-la-Chaise. His ∴ principle: *Nosce teipsum.*

Abele Tree, ♆, *populus alba.*

Abencerrages, noble fam. Moor. kingd. of Granada, massacred in Alhambra 1484.

Aben Ezra, Jew. †, astrol. & ✍. * *ca.* 1093 Spain, † 1168 Rome.

Abensberg, ⊙ Bavar. 2,094 inh. ⚔ 20/4 1809.

Aberavon, munic. ⊙ Glamorgan, 4,875 inh.

Abercorn, James Hamilton, Dk. of, * 21/1 1811 London; Ld. Lieut. of Ireland 66–68, & 74–76; † 31/10 85.

Abercrombie, John, Scot. ✍, 1781 Aberdeen, † 1844 Edinburgh. ✓.

Abercromby, Sir Ralph, Brit. general, * 1734 Tullybodie, commd. in Egypt 1801, killed near Alexandria 21/3 1801.

Aberdare, Henry Austin Bruce, 1st Baron, * 1815, M.P. 52, V.P. of Counc. 64–66, Home Sec. 68–73, peer 73, Lord Presdt. of Counc. 73–74.

Aberdeen, 1] Geo. Hamilton Gordon, 4th Earl of, Eng. statesm. * 1784, † 1860. For. Sec., 28-30. Col. Sec., 34-35. For. Sec., 41-46. Prem. 52-55. 2] John Campbell H. G., 7th Earl of, * 1847, suc. 70, Ld. Lieut. of Ireland 86.

Aberdeen, ⚓ ⊙ and cap. Aberdeensh. on Dee. Univer. Exports linen, wool, paper, combs, granite. Ship buildg. Returns 2 M.P.s. 105,054 inh.

Aberdeenshire, Scot. county. 1,251,451 acres, 267,990 inh. Rets. 2 M.P.s, E. & W. divs.

Abergavenny, mkt. ⊙ Monmouth, on Usk and Gavenny. Rom. stat. Gobannium. Coal and iron. 7,285 inh.

Abernethy, John, surg. * 1765 London. † 1831 Enfield. Eccentric and rough. ✍ Lectures on Surgery, 30.

Aberration, in optics, indistinctness of obj. seen through single lens, spherical or chromatic.

Aberration of light, ✕, law, discd. by Bradley 1727, by which stars, &c., do not app. in their true places.

Abert, J. Jos. ♫, • 21/9 1832. Operas, *Eckehard*, *Astorga*, &c.; symphon.

Aberystwith, ⚓ ⊙ Cardigan, fash. waterg. place. 6,664 inh.

Abey, Abyss. name for ⚊ Nile.

Abeyance, ⚖, expectancy of an estate; being dormant.

Abib, or Nisan, 1st month of anc. Hebr. year, now 7th mo.

Abies, ☘, the fir genus.

Abingdon, Eng. ⊙ Berksh. Mnfs. carpets & linen. 6,608 inh.

Abinger, James Scarlett, Lord, ⚖. • 1769, † 1844. Att.-Gen. 27, Clif. Baron 34.

Ab initio, Lat. = from the beginning

Abiponians, abor. tribe, S. Amer., near Santiago.

Ablution, washing off. Almost universal as a relig. ceremony.

Abo, form. cap. ⊙ of Finl., now cap. of dist. of same name. Baltic ⚓ ⊙, 23,000 inh. Treaty of A. 7/5 1743. Trade: timber, tar.

Aboma, Guiana name for ringd. boa.

Abomey, cap. ⊙ Dahomey, Afr. 30,000 inh

Abortion, miscarriage; monstrous growth.

Aboukir, Egypt vill near Alexandria. 100 inh. ⚓ ✕ 1/8 1799. Abercromby landed 1801.

Aboul Abbas, first ruler of the Abbasides, 750–54

Abousambol, site of rock ruins, Nubia.

About, Edmond F. V., French rom. ✓, • 14/2 1828, Dieuze. Wrote "La Grèce Contemporaine," 55; "Tolla," 55; "Mariages de Paris," 56; "Germaine," 57; "Question Romaine," "Roi des Montagnes," &c. Editor 1872 *XIX Siècle*; Paris correspondent 1873 *Athenæum*. † 17/1 85.

Ab ovo, Lat. = from the egg.

Abracadabra, 1] Syr. deity. 2] Word written triangularly: used as a charm.

Abraham (Heb. father of the multitude), patriarch. Ancestor of Jews & Arabs.

Abraham a Santa Clara (Ulrich Megerle), humor. ✓. • 4/7 1642, Krahenheimstetten. † 1/12 1709, Vienna.

Abrahamites, sect of deists, expelled Bohemia 1783.

Abraham-men, begging impostors, who simulated lunacy.

Abrantes, ⊙ in Portug. on Tagus. 7,500 inh.

Abraxas Stones, magic stones bearg. word A. or Abracax, signifg. 365, the number of the Pers. virtues.

Abruzzi, three divs. of anct. kingd. Naples, now Chieto, Teramo, & Aquila.

Abscess, cavity in flesh that fills with pus.

Abscissa, math. term in conic sections.

Absinth, 1] Wormwood. 2] Liquor flav. with wormwood, anise, &c.

Absolution, eccles., freeing from conseq. of sin.

Absolutism, government by the unlimited will of one.

Absorption, process by which food is assimilated, or fluid or gas enters the pores of bodies.

Abt, Franz, ♫, • 22/12 1819 Eilenburg, † 2/4 85; songs.

Abu, ▲ Rajputana.

Abu Bekr, first khalif, 632–34.

Abu Klea, Soudan, ✕ 17/1 1885.

Abulfaragius (Mar. Gregorius Abulfaraj), Syr. and Arab. ✍ ✓. • 1226, † 1286. History of the Dynasties.

Abundantia, goddess of Plenty.

Abury, *v.* Avebury.

Abushehr, *v.* Bushire.

Abu Temmam, Arab. poet, 807–45.

Abydos, 1] Anc. ⊙ Asiat shore of Hellespont, wh. Xerxes crossed to Europe 480 B.C. 2] Anct. ⊙ Upp. Egypt, ruins discovd. 1818 by Bankes.

Abyla, ▲ Fez, one of Pillars of Hercules, now Hacho.

Abyssinia, hill country E. Africa, on Red Sea. Area *ca.* 245,000 s.m. 4,500,000 inh. Formerly kingdom; now divid. several indep. states, of which Tigre, Amhera, &c., cap. ⊙ Gondar, are subject to John II., and Shoa, cap. Ankobar, to Menelek. Relig., Christ. debased. War with Eng. 1867–8. Magdala ♔ stormed.

Abyssinian Gold, yell. met. compd. of 20·74 parts copper and 8·33 zinc, the whole gold-plated.

Acacalot, Amer. bird, *tantalus mex.*

Acacia, ♂, genus of *mimosæ*: name incorr. given to *Robinia pseudo-acacia* of Eng. gardens.

Academy, Gr., orig. a grove in wh. Plato taught. Hence a school, or body of learned men.

Acadia, or Acadie, Ind. name of pt. of Nova Scotia. Scene of Longfellow's "Evangeline."

Acalephæ, zool., the class of jelly-fish.

Acalypha, ♂, gen. of plnts. wh. sting.

Acanthopis, zool., gen. of venom. snakes.

Acanthopterygii, zool., one of Cuvier's nat. ords. of fish, distingd by bony skelets. & spinous dorsal fins.

Acanthus, ♂, prickly plants, ord. *acanthaceæ.* ♧, a foliage-like orn. on capital.

A capriccio, ♯, at will.

Acapulco, Mex. ⊙ on Pacific O., 5,000 inh.

Acarus, an ord. of animals allied to spiders, incldg. ticks, mites.

Accadian, princ. dialect of anc. Babylonians.

Accelerando, ♯, gradually quickening.

Accelerated Motion, dynam., motion with veloc. cont. increased. A.M. prod. by grav. in fall. body= 32 ft. per sec.

Accent, gram., stress of voice on particular syll. indictd. thus '. ♯, stress or emphasis.

Acceptance, ♃, bill of exch. drawn on one wh. agrees to pay it.

Accessory, ♃, guilty by knowledge, not by deed.

Accidence, gram., rules of inflections of words.

Accident, log., an unessential condition or quality.

Accidental, ♯, a sharp or flat wh. does not occur in the clef.

Accipitres, zool., ord. of rapac. birds.

Acclimatisation, process of inuring to strange climate.

Accola-le, touch of sword in confer. knthood. ♯, a brace.

Accordion, ♯, keyd inst.: sounds proded. by wind on metal reeds.

Accouchement, Fr.=lying-in, parturition.

Accra, Brit. ♔ on Gold Coast, W. Afr.

Accrington, ⊙ Lancash. Mnfs. cotton. 31,500 inh.

Ace, single point on cards, dice.

Acephala, without head; molluscs, as oyster, &c.

Acer, ♂, the maple.

Acetal, ♃, compd. of aldehyde w. ethyl oxide.

Acetic Acid, ♃ acid prin. of grapes, vinegar, &c., formula, $C_2H_3O(OH)$. Its salts are acetates.

Acetone, ♃, acetyl chloride with the chl. replaced by methyl; vy. inflammable.

Achæan League, confed. Hell. states 3rd cent. B.C., named after Achaia.

Achaia, anct. ⊙, smallest state in Peloponnesus: aftwards. all S. Greece; now a depart., cap. ⊙ Patras.

Achard, 1] Fran. Ch., Germ., ♃ ♂, * 28/4 1753, † 20/4 21, Breslau. 2] Amédée, rom. ♂, * 1814 Marseilles, † 24/3 75 Paris.

Acharius, Erik, ♂, * 10/10 1757 Gefle, † 14/8 19.

Acharnania, anct. ⊙, now Carnia, div. of anct. Greece, s. of Epirus.

Achates, friend of Æneas. *Fidus Achates* = faithful follower.

Acheen, *v.* Atcheen.

Achelous, anct. ☾, largest ⅄ of Greece, ris. ▲ Pindus, flows 130 m., into Ionian Sea: now Aspropotamos.

Achene, ✱, fruit wh. does not burst when ripe.

Achern, ⊙ Baden, 3,145 inh.

Acheron, 1] anct. ☾, ⅄ Epirus, formed Acheronian marsh, or L. Acherusia. 2] Fabulous ⅄ of Hades.

Acherontia, gen. of moths, incl. death's-head.

Achill, or Eagle Isle, pt. of co. Mayo, W. Irld., *ca.* 4,000 inh.

Achilles, Gr. hero of Troj. war. Son of Peleus and Thetis, killed Hector, killed by Paris. Subj. of Homer's "Iliad."

Achilles Tatius, Gr. rom. ✓, 5 cent. "Leucippe and Clitophon."

Achillis tendo, tendon Achilles, the large t. of the heel, by wh. Ach. was fabd. to have been held when dippd. in Styx, and so rendrd. invulnerable in all other parts.

Achiri, zool., gen. flat-fish without pect. fins.

Achirite, ⊕, called Dioptase.

Achmatite, ⊕, called Epidote.

Achmet, *v.* Ahmed.

Achmin, ⊙ Mid. Egypt, on Nile. 3,000 inh., the Chemmis of Herodot.

Achromatic Lenses, in opt., compnd. lenses convex and concave for uniting all the var. col. rays.

Achrotite, ⊕, var. of tourmaline.

Acids, ⚗, substs., gen. sour, wh. unite with a base to form a salt: tinge blue litmus red. Most A.s cont. oxygen; hydrochlor., hydrobrom., hydriod., hydrofluor., hydrocyan. are hydrogen acids.

Act Reale, ⚓ ⊙ Sicily, 24,000 inh.

Acis, class. myth., s. of Pan & Simæthis, belovd. by Galatea.

Ackermann, Rudolph, print-seller, * 1764 Stolberg, † 1833 London. Introd. lithog. to Eng.

Acland, 1] Sir T. Dyke, * 1809, M.P. 37. 2] His s. Chas. T. D., * 1842 London, M.P. 82, sec. to Bd. of Trade 86.

Aclinic Line, irreg. line near equat. where magn. needle is horizontal.

Acne, ✱, pustular skin disease.

Acolyte, attendant in Rom. Ch. Anctly. minor cleric.

Aconcagua, 1] ▲ Chil. Andes. 2] ⅄ Chili. 3] Prov. Chili, 134,000 inh.

Aconite, ✱, genus poison. plnts. of ord. *ranunculaceæ*, incl. monkshood. Storck, Aust. ✱, introded. A. to med. practice *ca.* 1782.

Aconitin, ⚗, alkal. of aconite, colourless and gen. amorph.

Acorn, ✱, fruit of oak; ⚓, boss at top of mast above vane.

Acosta, 1] Gabr., known as Uriel A., *1594, suicide 1647. 2] Joseph d', Sp. ✠ & †, * 1539, † 15/2 1600.

Acotyledones, or acotyledonous plts., ✱, without seed-lobes, and reprodg. by spores.

Acoustics, science of sound, which is propagatd. much as light is, *i.e.*, by vibratns. producg. successive waves. There must be a ponderable medium, the denser the better. Veloc. increases with temperature.

Acre, Eng. surf. measure=160 sq. rods=4,840 sq. yds. Anc. Scot. A.=6,150 sq. yds. Ir. A.=7,840 sq. yds.

Acre, St. Jean d', ⚓ ✠ Syr. ✕ 1799, besiegd. 1832, and taken by Egypt, bombd. 1840; *ca.* 15,000 inh.

Acrogens, ✱, one of the two classes of flowerless plnts., incl. mosses, lycopodium, &c.

Acropolis, Gr.=high city. At Athens, eminence on wh. stood Parthenon.

Acrostic, lines contrivd. so that the 1st letters in order form a combination: *e.g.* Ps. cxix. in Hebrew.

Acroteria, △, pedestals for statues on bldgs.

Act, ☾ ✓, div. of a play. ✍, A. of Parlt., a statute.

Act of Settlement, English statute, 1701, limitg. successn. to crown.

Act of Toleration, Eng. statute, 1689, for relief of Dissenters. Extend. 1813, 1829.

Act of Uniformity, Eng. statute, 1662, imposg. Bk. of C. Prayer.

Acta Diurna, offcl. diaries in anct. Rome.

Actæa, ✿, gen. of *ranunculaceæ*, incl. baneberry.

Actæon, Gr. myth, offend. Diana, who changd. him to stag.

Actinia, zool. gen., incl. sea-anemone.

Actinism, ☼, propty. of cert. light to prod. eff. as in photog.

Actinolite, ◆, var. of amphibole.

Actinophrys, zool., micros. creat. of class *rhizopoda*.

Action, ⚖, proceedg. for recovery of legal due.

Actium, now Azio, ⊙ Acharnania, ⚒ 2/9 31 B.C.

Acton, 1] I. F., Neap. min. Ir. orig. * 1/10 1737 Besançon, † 12/8 11 Palermo. 2] J. E. E. D., Lord, Eng. /, * 1834 Naples, friend of Dollinger.

Acts of the Apostles, written *ca.* 61 by Luke.

Actuary, an expert in insur., annuities, &c.

Aculeata, zool., sub-ord. of *hymenoptera*, incl. ants, wasps, bees.

Acuminate, tapered.

Acupuncture, ✓, treatmt. by prickg. with a needle.

A.D. = Lat. *anno domini* = in the year of the Lord.

Adagio, ♩, slow.

Adal, ○, reg. betw. Abyss. & Red Sea.

Adalbert, 1] St., * 950 Prague, bish. 82, murd. by Pruss. 23/4 97. 2] Archbp. Bremen 1043, tutor of Emp. Henry IV. † 16/3 72 Goslar. 3] A., Heinrich Wilh., Pr. of Pruss. * 29/10 1811, m. Ther. Elssler; adm. 54, † 6/6 73 Carlsbad.

Adam, in Chr., Heb., & Mahom. †, the first man. A. = red earth.

Adam, 1] Louis, ♩, * 3/12 1758 Mieteraholz, † 8/8 48 Paris. 2] His son, Adolphe C. * 24/7 1803, Paris, † 3/5 56. Operas, *Postillon de Longjumeau*. 3] Alex., Scot. Latinist, * 1741 Coats of Burgie, † 18/12 1809. 4] Robt., ▲, * 1728, † 1792, blt. Adelphi, &c.

Adamana, Cent. Afr. kingd., cap. ⊙ Jola, 12,000 inh.

Adamant, hard, unbreakable; obsol. syn. for the diamond.

Adamantine Spar, ◆, corundum, very hard, conts. alumina, iron, & silica.

Adamites, † fanats., Bohem. & Moravia.

Adams, 1] John, Presdt. U.S.A., * 19/10 1735 Braintree, Mass.; Presdt. 97–01, † 4/7 26 N. York. 2] His son, John Quincy A., * 11/7 1767; Presdt. 25–29, † 23/2 48. 3] Saml., Amer. statesm. * 27/9 1722 Boston. Gov. Mass. 94–97, † 2/10 1803. 4] Chas. Fras., son of 2, polit. & /, * 18/8 1807, Min. to Eng. 61–68, † 21/11 86. 5] Jno. Couch, ✈, * *ca.* 1818 nr. Bodmin. /. 6] W. H. Davenport, Eng. /, * 1828. 7] Rev. H. C., † & rom. /, * *ca.* 1820. "Schoolboy Honour," 61.

Adams-Acton, John, ✍, * 11/12 1833 Aston.

Adam's Apple, prominent pt. of 1st cartilage of hum. larynx.

Adam's Bridge, isles betw. Ind. & Ceylon.

Adamsite, ◆, var. of mica

Adam's Peak, ▲ Ceylon, 7,420 ft.; fabld. footprint of Adam or Buddha.

Adana, prov. Asia M.; cap. Adana, blt. by Haroun al Raschid. 20,000 inh.

Adanson, Mich., Fr. natrlst. * 7/4 1727 Aix, travld. Afr., † 6/7 1806. /.

Adansonia, ✿, the baobab; inh. trop. Afr., att. great age, belongs to nat. ord. *bombaceæ*.

Adapis, zool., gen. of foss. pachyd. mammals.

Adar, in anct. Hebr. calend., 12th

mo.; in mod., 6th. 9th mo. of Parsi year.

Ad captandum, Lat. = to captivate.

Adda, Nubian sand-lizard.

Adda, ⅄ Lombard., branch of Po, ris. in Rhæt. Alps.

Addax, Nubian antelope, w. spiral horns.

Adder, the Eng. viper, venomous, *pelias berus.*

Adder's Tongue, ✿, plt. of gen. *ophioglossum.*

Adder's Wort, ✿, plt. allied to rhubarb; also called snake-weed, bistort.

Addington, 1] Hen., Visc. Sidmouth, Eng. statesm., * 1755; Home Sec. 12-22, † 1844. 2] *v.* Hubbard.

Addison, Jos., Eng. ess & poet. ✓, * 1/5 1672 Milston. Collabd. w Steele in *Spectator* and *Tatler;* m. Ctss. of Warwick 1716, Sec. of St. 17, † 17/6 19.

Addition, puttg. togeth. two or more magnitudes into one. In alg. & arith., method of summing. Sign of operation, +, = *plus.*

Addled Parliament, Engl. 5/4 -7/6 1614.

Adelaide, Q., * 1792, † 1849, dau. of Dk. of S.-Meining., m. William IV., Engl., 1818.

Adelaide, cap. ⊙ S. Austral., found. 28/12 1836, 70,000 inh., bpric Port Adelaide, its harb.

Adeler, Max, pseud. of Chas. Heber Clark, Amer. humor ✓. "Out of the Hurly-Burly" 1874.

Adelsberg, ⊙ Carniola, Aust., cave of stalact.

Adelung, J. C., Germ philol * 8/8 1732, † 10/9 1806. ✓.

Aden, since 1839 Eng. ⊕ near mth. of Red Sea, in Arab., 22,750 inh. Garrisoned from India. Coalg. statn. Exports gum, coffee.

Adephaga, entom., sub-tribe of beetles.

Adept, myst. †, one expert in myst. matters.

Adhesion, propty. by wh. two bodies or atoms remain united when their surfs. are in juxtaposition. ✿.

Ad hoc, Lat. = with resp. to this.

Ad hominem, Lat. = to the man. *Log.*, argument by appealing to a man's conduct or belief.

Adiantum, ✿, gen. of dorsifer. ferns, incl. maidenhair, *A. capillus veneris.*

Adieu, Fr. *à Dieu* = to God; God be with ye, good-bye.

Adige, ⅄ N. Ital., ris. in Rhæt Alps, flows 220 m. into Adriatic. Anct Athesis.

Ad infinitum, Lat. = to endless extent.

Ad interim, Lat. = meanwhile.

Adipocere, ⚗, waxy subs. formd. by decomp. of anim. bodies under cert. circs. Disc. by Fourcroy, 1787.

Adipose, fatty. A. tissue, fat.

Adirondacks, ▲. New York, U.S.A. Highest ▲, Marcy, 5,330 ft.

À discrétion, Fr. = as is deemed fit.

Adit, ⚒, entrance passage, gently. horizontal.

Adjustment, ⚓ insur., settling nett amt. of indemnity.

Adjutant, ⚔, the assist. of a commandg. off. of a batt. or regt. A.-general assists gen. A.-gen. of Forces assists Commr.-in-Ch.

Adjutant Bird, ornith., *ciconia argala,* frequents camps. Inh. India.

Adler, 1] Fried., ▲, * 15/10 1827 Berlin. 2] Rev. Herm., Jew. †, * 1839 Hanover, 63 Prin. Jew. Coll. Lond. 3] Nath. Marc., Jew. †, * 1803 Hanover, 1845 Chf. Rabbi of Brit. Emp. ✓.

Adler, ⅄, branch of Elbe, Bohem.

Ad libitum, Lat. = according to choice.

Administration, in polit., the execut. govt., or the ministers

Administrator, ⚖, one who distribs. goods of an intestate

Admiral, ⚓, highest rnk. of offr. In Brit. ⚓ there are three rnks. of A., *i.e.*, A., Vice-A., & Rear-A.; also A. of Fleet, an honor. distinction, & Lord High A., now in abeyance. A. of F. ranks with F.-Marshal. A. with General, V.-A. with Lt.-Gen., R.-A. with Maj.-Gen.

Admiralty, in Eng., the office which directs the Navy. Court of Admiralty, now Admlty. Div. of High Ct. of Just., hears ⚓ commer. cases.

Admiralty Island, off N.W. cst. of N. Amer., belong. to U.S.A.

Admiralty Islands, group off N.E. of New Guinea. Discovd. by Dutch 1616. Inh. by savages.

Adobe, sun-dried brick.

Adolphus, 1] Dk. of Guelders, ⚔, * 1438, † 1477 Tournai. 2] A. of Nassau, ⚔, * *ca.* 1255, Emp. Germ. 92, deposd. 98; † 2/7 98 Gottheim.

Adonai, myst. ✝, god of light.

Adonis, class. myth., s. of Myrrha, belovd. of Venus. Anc. ⊙, ⛰ Syria. ✿, gen. of *ranunculaceæ.*

Adoption, assumptn. of the parental relation to child of another. Not recognd. by Eng. law.

Adour, ⛰ ris. Htes. Pyrenees, flows 170 m. to B. of Biscay.

Adowa, ⊙ and dist. of Tigré, Abyss. ⊙ 8,000 inh. Expts. ivory, gold.

Adrastus, 1] entom., gen. of beetles. 2] myth., K. of Thebes.

Ad referendum, Lat. = for consideration.

Adria, It. ⊙ on Po, 15,850 inh.

Adrian, *v.* Hadrian.

Adrianople, or Edreneh. ⊙ on Maritza, Roumelia, 137 m. N.W. of Constantinople. Improvd. by Emp. Hadrian, 125.

Adriatic Sea, arm of Mediterr. betw. Ital. & Dalmatia, 450 m. long, 90 broad. Chf. ⛰s, Adige & Po. Chf. ports, Venice, Trieste, Ancona, Brindisi.

Adularia, ◍, moonstone, comp. of 64 pts. silica, 20 aluminium, 2 lime, 14 potassium.

Adullamites, polit. seceders: name givn. by J. Bright to Lowe, &c. 13/3 1866; *v.* 1 Sam. xxii. 1.

Adultery, ⚖, incont. betw. persons, one at least of wh. is married.

Ad usum, Lat. = for the use.

Ad valorem, Lat. = accordg. to value.

Advent, in Christ. ✝, the season before Christmas. First Sunday in A. is Sund. wh. falls nearest to Nov. 30.

Advocate, ⚖, a counsel. Lord Advocate, princ. Crown lawyer in Scotland.

Advocatus Diaboli, Lat. = Devil's advocate: pleader of a cause in wh. he has no faith; calumniator.

Advowson, right of presentation to benefice in Ch. of Eng.; is saleable, but not durg. illness of incumbent or durg. vacancy. In Eng., 7,000 A.s bel. to private pers., 1,144 to Crown, 3,262 to bps., deans & chapts., 931 to paroch. clergy, 770 to Univs.

Adye, Genl. Sir J. M., Eng. ⚔/, * 1819.

Adytum, ⛰, chancel-end of a church.

Æ, *v.* also under E.

Æcidium, ✿, gen. minute parasit. fungi.

Ædile, anct. Rom. magistr. fulfilg. functs. of modern commissnr. of works.

Ægagre, Pers. ibex, calld. paseng (*capra ægagra*); its stomach sometimes conts. bezoar stones (*q.v.*).

Ægean Sea, anct. ◎, the Grk. Archipelago.

Aeger, Scand. myth., god of sea.

Ægeus, myth. king of Athens, fathr. of Theseus.

Ægidius, Rom. schol., ⛪, & ✝, "*doctor fundatissimus,*" archbp. of Bourges 1294, † 1316. ✓.

Ægilops, ✿, gen. of hard grass.

Ægina, anc. ◎, now Egina, isle off coast of Attica, ruins, 4,000 inh.

Ægis, a goat skin; class. myth., breastpl. of Zeus, also of Minerva; latter w. head of Gorgon.

Ægospotamos, anct. ◎, ⛰, Thrace; ⚔ 405 B.C.

Ægrotat, Lat. = he is sick.

Ael, Grk. = for ever and ever.

Ælfric, Ang. Sax. archbp. of York, † *ca.* 1051.

Ælia Capitolina, name givn. to Jerusalem by Hadrian.

Ælianus, Claud., Grk.-Lat. ♛ and nat. hist. ✓, lived *ca.* 200.

Aelred, Aildred or Ealdred, of Rievaulx, St., Eng. ♛ ✓, * 1109, Hexham, † 1166.

Æmilius Paulus, Luc., Rom. cons., deftd. Perseus, king of Maced. at Pydna, 22/6 168 B.C., † 160.

Æneas, class. myth., s. of Anchises and Venus; hero of Troj. war, and of Virgil's "Æneid"; ancest. of Roman kings.

Æneas Sylvius, *v.* Pius.

Æneid, Virgil's epic poem, writtn. B.C. 30–20. Transltd. by Ogilby, Pitt, Dryden.

Æolian Harp, ♥, stringd. inst. playd. by currents of air.

Æolian Isles, anc. ○, the Lipari Isles, N. of Sicily.

Æolians, anct. Greek people. Æolian dialect: in poetry of Alcæus & Sappho.

Æolipile, anct. instrumt. for experimtng. w. steam; a boiler; invntd. by Hero *ca.* 150 B.C.

Æolus, class. myth., god of winds, inhd. Æolian Isles.

Æpiornis, palæont., gen. of extinct wingless birds, ord. *cursores*, inhd. Madagascar.

Aërated Bread, B. leavend. w. carb. acid gas instead of yeast.

Aërated Waters, W. impregd. natlly. or artfly. w. unusual amnt. of carb. acid gas.

Aërial Plants, ♥, plnts. wh. derive th. main sustence. from air.

Aërolites, meteorites, or meteoric stones; extraterr. bodies wh. approchg. the earth are overcome by its attractn. and fall on its surface. Largely composd. of metallic iron.

Aëronautics, science of navigatg. the air: *v.* Balloon.

Aërostat, balloon.

Aërostatics, science treatg. of pressure and equilib. of gases.

Æschines, Athen. orat., * 389 B.C., † 314 Samos. Rival of Demosthenes.

Æschylus, Grk. ✓, * 525 B.C. Eleusis, † 456 Gela, 70 tragedies, 7 extant: *Agamemnon, Prometheus Bound*, &c. Father of Grk. ✓.

Æsculapius, class. myth., god of medicine, s. of Apollo and Coronis.

Æsculus, ♥, horse-chestnut, gen. *hippocastanea*.

Æsop, Grk. ✓ of fables, † *ca.* 544 B.C. Fables attribtd. to him were compsd. by Babrios.

Æsthetics (perceptn. by sense), name inventd. by Baumgarten 1750 for philosoph. theory of the beautiful.

Æstivation, spending the summer (in sleep); ♥, arrangemnt. of blossom in a flower-bud.

Æt., or *ætatis anno*, Lat. = in the year of his age.

Æthusa, ♥, gen. of nat. ord. *umbelliferæ*, incl. fool's parsley, *Æ. cynapium*.

Aëtius, Rom. genl., * 396, deftd. Attila 451, murderd. by Valentinian III. 454.

Ætna, volc. ▲ in Sicily, calld. also Mongibello. Eruptions, B.C. 496, 475, 425, A.D. 1537, 1792, 1832, 1886, &c. 10,874 ft. high.

Ætolia, anc. ○, distr. of Greece, now Carnia, chf. ⊂s Missolonghi & Lepanto.

Affettuoso, ♥, in an affectg. style.

Affidavit, Lat. = he has sworn; ⚖. statemnt. on oath in writing, made before qualifd. person.

Affiliation, ⚖. decision as to paternity. Protection; community.

Affinity, ⚖, relationshp. by marriage. ⚗, propty. by wh. dif. substs. enter into chemical combination.

Affirmation, ⚖. solemn declaration in lieu of oath.

Afflatus, breath, inspiration.

Affre, Denis Aug., ✝, * 27/9 1793 St. Rome de Tarn, 40 archbp. of Paris, shot on the barricades, † 27/6 48.

Afghanistan, country of Asia, on N.W. front. India, betw. 61°–71° E. long., and 27°–35° N. lat.; N.E.

of Pers., S. of Turkestan: 278,000 s.m., 4,000,000 inh., of Iranian orig., w. Hazaras, Taujiks, Hindus. Relig. Mahom. N. & E. fertile; S. & W. barren. Very ▲ous. Cap. ⊙, Kabul. ⊙s Herat, Kandahar. ▲s Hindu Kush, Himalaya, Suleiman. ⚓s Kabul, Helmund. ♛, 695 B.C. prov. of Assyr.; 8th cent. invaded by Afghans wh. formd. many petty tribes, ea. under a khan; 688 conqd. by Arabs; 1001 Mahmud ruld. all A.; 1722 conqd. Pers.; 1838–40 war with Engl.; 16/9 42 Engl. took Kabul, but army massacred in Khyber Pass on return; 63 Shere Ali Ameer; 79 Brit. resdt. Cavagnari murd. at Kabul; war with Engl. wh. occpd. Kabul & estabd. Abdurrhaman Khan, 1880, on throne; 84–85 difficulties with Russ.; Afs. deftd. 30/3 85 at Penjdeh. Govt. abs. monarch styld. Ameer. Exprts. to India £350,000; Imports from India £600,000; Rev. £600,000. Army *ca.* 48,000 men.

Afinger, B., ♘, * 6/5 1813, † 25/12 82 Berlin.

Afium Kara-Hissar, ⊙ Anatolia, As. Min.; mnf. opium, 60,000 inh.

A fortiori, Lat. = with stronger reason: term of logic.

Afra, St., burnt under Diocletian, 304.

Afranius, Luc., Rom. ♁ /, *ca.* 150 B.C.

Afreet, Mahom. myth., a demon.

Africa, Continent S. of Europe; penins.; a large modtly. elevated plateau; 12,000,000 s.m.; 130,000,000 inh.; lies chfly. within the tropics. *Chf. countries,* Egypt, Nubia, Abyssinia, Barbary States, Sahara, Senegambia, Soudan, Guinea, Hottentot ctry., Mozambique, Cape Colony, Zanzibar. ▲s, Atlas, Libyan, Cameroons 13,000 ft., Moon, Livingstone, Ras Detchen 15,986 ft., Kilima Njaro 20,000 ft. *Gulfs,* Biafra, Benin. *Deserts,* Sahara in N., Kalahari in S. ⚓s, Nile, Senegal, Gambia, Niger, Congo, Zambesi, Orange, Limpopo, Juba, Ogowe. *Lakes,* Victoria Nyanza, Albert Nyanza, Dembea, Tana, Tanganyika, Tchad, Nyanja, Shirwa, Delolo, Baringo, Bangweolo. ❦, veget. luxurious; baobab, coffee, vines, sugar, cotton, flax, palm. *Fauna,* hippopotamus, elephant, rhinoceros, ostrich, antelope, zebra, quagga, gorilla, chimpanzee, lion, leopard, jackal, hyæna, crocodile, locust, ibis, pelican, parrot, eagle, chameleon, tsetse, &c. *Races,* Negro, Malay, Hottentot, Caucasian, Moor., Arab. *Isles,* in Atl. O., Azores, Madeira, Cape Verdes, Fernando Po, St. Thome, Ascension, St. Helena; in Ind. O., Madagascar, Seychelles, Mauritius, Socotra. *Brit. Possns.,* Cape Colony, Natal, Mauritius, St. Helena, Ascension, Sierra Leone, Gambia, Cape Coast, etc. *Explored* by Phœnicians, *ca.* 400 B.C., Portug., 1484, 86, when Diaz discd. Cape of Good Hope; and by Livingstone, Moffat, Speke, Grant, Burton, Baker, Stanley, Chaillu, Lepsius, Smith, Cameron, Schweinfurth, Lander, Pinto, Park, Nachtigal, d'Abbadie, de Brazza, Vogel, Marno, Rohlfs, Holub, &c. *Relig.,* Mahom. in N., Christ. in Abyss. and ptly. in Egypt; Fetishism. ⊕ products, gold, iron, copper, lead, zinc, diamond, salt. Coast line, 16,050 miles.

Africanus, Sex. Jul., ♛ /, 3rd cent. B.C. Emmaus.

After-damp, ⚒, carbonic acid gas, or carbon. dioxide, CO_2.

Aftermath, grass wh. grows after hay; rowen; fogg.

Aga, Turk. = Lord. Kysler Aga, lord of the girls. ✕, colonel.

Agama, zool., gen. of saurians.

Agamemnon, class. myth., kng. of Mycenæ, commd. Grks at siege of Troy, husb. of Clytemnestra.

Agami, ornith., gold-breasted trumpeter bird.

Agapanthus, ❦, African lily.

Agape, Christ ✝, love-feast, condemnd. by Council of Carthage, 397; survives amng. Wesleyans, &c.

Agapemone, assocn. of men & wom. livg. promiscly. in common.

Agapetus, 1] I. Pope 535–36. **2]** II. Pope 946–55.

Agaphite, ⊕, turquoise.

Agardh, Car. Ad., Swed. †, ✱, & math., • 23/1 1785, bp. of Karlstad, † 28/1 1859. / "Syst. Algarum."

Agaricus, ✱, mushroom, stalked fungus w. fleshy cap and gills. Over 1,300 species. Grow in earth or on trees. Many edible. *A. campestris,* field-mushroom. *A. pratensis,* fairy-ring m. Many poisonous.

Agasias, ⊙, Ephesus, 1st cent. B.C. "Borghese Warrior."

Agassiz, Louis J. Rud., Swiss nat. ✱, • 28/5 1807 Motiers, † 18/12 73 N. Amer. Travelld. / "Monog. of Fossil Fishes," 44; "Studies of the Glaciers," 47, &c.

Agate, ⊕, stone of nearly pure silica. Germ., Ind., Braz.

Agatha, St., Sicil., martd. 5/2 250.

Agatharchides, Grk. ⊖ /, ca. 150 B.C.

Agatho, St., Pope 678–82.

Agathocles, tyrant of Syracuse, • 361 B.C., † 289.

Agave, ✱, Amer. aloe. Sap makes fermtd. liquor, *pulque,* or *vino mercal.*

Age, a period: golden A., patriarchal: silver A.; bronze A., warlike, heroic A.: iron A., late classic. Eng. ⚥, of age = 21 years old Geolog. A., period of formatn. of a stratum. Extreme limits of life, man 95, horse 35, whale 300, oak 300–500, yew 1,000, baobab 5,000.

Ageladas, ⊙, Argos, 520–460 B.C., teacher of Phidias, Myron.

Agenda, Lat. = things to be done.

Agent, ⚥, one authorised by another to act in his name.

Agesandros, ⊙, Rhodes. "The Laocoon," ca. 50

Agesilaus II., kng. Lacedaem., ✕, † æt. 84 in 360 B.C. Vict. at Coroneia, 394.

Aggerhuus, Norw. prov., chf. ⊙, Christiania.

Aggerzeen, an Abyss. antelope, *repsiceros.*

Agglomerate, ⚒, volc. accumln. of angul. fragmts. of rock.

Agglutinative Languages, the Turanian group.

Aghila, Ind. name for lign aloe.

Agilolfinger, Bavarian ducal house, 600–788.

Agincourt, villg. in Pas de Calais, Fr. Eng. deftd. Fr. 25/10 1415.

Agio, commer., percentg. difference in val. of current & standard moneys.

Agis, sev. kings of Sparta. A. I., B.C. 1060. A. II., 426–399, vict. at Martinela. A. III., 338–330, † ✕ Megalopolis. A. IV., 244 B.C., reformer, executed.

Agitato, ♨, with agitation.

Aglaia, class. myth., one of the three Graces.

Agnano, volc. lake near Naples.

Agnate, old ⚥, related through males. Scot. ⚥, related on father's side.

Agnes, 1] St., martd. 21/1 303. **2]** A. of Poitou, mothr. of Emp. Henry IV. **3]** A. of Meran, w. of K. Phil. Aug. of Fr. † 1201. **4]** A., Dchss. of Meran, the White Lady, † 1293. **5]** A. of Austr., dau. of K. Alb. I., Q. of Hung., † 13/5 1364. **6]** Agnes Sorel, • 1409 Touraine, mistr. of Chas. VII. † 1450.

Agnesi, Marie G., It. philol. & ♘ /, • 1718, † 1799.

Agni, Ind. god of fire

Agnolo, Baccio d', Florent. ⚒, † 1543.

Agnostic, ignorant of, professing not to know; esp. of relig.; term invntd. by Huxley.

Agnus Dei, Lat. = Lamb of God, J. Christ. Rom. Cath. †, a wax cake stampd. w. lamb and banner: pt. of the Mass; a prayer.

Agonic Line on map, shows where horizont. magnet. needle points to the true north.

Agora, the public square of a Greek town.

Agosta, ⚓ ⊕ Sicil., harb., 10,000 inh.

Agoult, Marie de Flavigny, Ctss d', known as Daniel Stern, * 1805 Frankfort-o M, French ✍, † 5/3 76 By Lisst, mothr of Cosima Wagner

Agouti, zool, gen of mamm rodents, S Amer

Agra, 1] div of B Ind, W of Oudh, 5,030 136 inh 2] Distr in the same, 1,094,184 inh 3] Cap ⊙ of same, cap of Mogul Emp 1526–1658, ⚔s 1803, 57, famous for Tajmahal, mausol of wf of Emp Shah Jehan, blt 1650 150,000 inh

Agram, cap ⊙ of Croat distr of same name, on Save Earthqk 1880 Mnfs silk, porcel, 25,000 inh

Agraphis, ✿, gen of *liliaceæ*, incl *A nutans*, blue bell or wild hyacinth

Agricola, 1] Cnei Jul, Rom genl, * 37, † 93 Rome Govd Britain 78–85, Life by Tacitus 2] Rud (Rolef Huysman) philol, * 1443 Baflo, † 28/10 85 3] John, reformr, * 1492 Eisleben, † 22/9 1566 4] Martin, ♫ ✍, * 1486 Sorau † 1556 Magdeburg 5] George ⚗ ✍, * 24/3 1490, † 21/11 1555 Chemnitz

Agrigentum, anct ⬭, ⊙ Sicil, now Girgenti

Agrimony, ✿, gen of *rosaceæ*, yields a yellow dye

Agrippa, 1] Herod, govr Judæa, * 10 B C, † 44 Cæsarea 2] Herod, govr Judæa, * 27, † 100 3] M Vipsan., Rom ⚔ & statesm, blt Pantheon, † 12 B C 4] Hy Cornelius, of Nettesheim, ⚕, ✝, * 14/9 1486 Cologne, † 18/2 1535 Grenoble, magic & myst ✍

Agrippina, 1] d of Vipsan Agrippa, w of Germanicus, virtuous, banishd to Pandataria, † 18/10 33 2] Her dau, w of Domitius, mothr of Nero, assassd 60

Agrostis, ✿, gen of grass of creeping habit

Agrostology, ✿, science of

Aguas Calientes, Mexic state, cap ⊙ A. C 35,000 inh

Ague, ✝, acute intermit fever; a cold fit

Aguesseau, H F d', Fr statesm * 27/11 1668 Limoges, † 9/2 1751 Chancel of Fr, ⚖ ✍

Aguilar, Grace, Eng musc & nov ✍, * 1816, † 1847

Agulhas, Cape, S point of Africa. Agulhas Bank, shoal off S Afr

Ahab, kng Israel 875–53 B C

Ahanta, distr of Gold Coast, Afr

Ahasuerus, kng Persia, prob Xerxes name of the Wandering Jew

Ahaz, kng Judah, 743–28 B C

Ahm, Dan liq meas = *a* 32 galls Swed liq meas = 34½ gall

Ahmed, 1] I, Ottom sult, succ 1603, † 1617 2] II, Ottom sult, succ 1691, † 95 3] III, Ottom sult, succ 1702, recd Charl XII Swed, lost Belgrade, abd 30, † 36

Ahmedabad, dist & ⊙ Gujerat, B Ind, ⊙ 116,873, dist 829,673 inh

Ahmednagar, dist & ⊙ Deccan, Brit Ind, dist 773,988 inh, ⊙ fnded 1494 by Ahmed Nizam Shah, 32,900 inh

Ahmed Shah (A Khan Abdali), fnder of Durani dyn in Afgh, * 1724, took Lahore 1748, Delhi 56, vict at Panipat 6/1 61, † 73

Ahn, Fr, educ ✍, * 15/12 1796 Aachen, † 21/8 65 Ahn's system

Ahrens, Hein, ⚖ & ⚕ ✍, * 14/7 1808 Knesstedt, † 2/8 74

Ahriman, Pers & Parsi myth, principle of evil

Ahu, zool, the Tartar roe

Ahus, Swed distr ⚔ 1027

Ahwaz, ruined ⊙ prov Bagdad, As Min, 1,600 inh

Ai, zool, gen of sloths

Aidan, St, 1st bp of Lindisfarne, † 651

Aide-de-camp, ⚔, offr attachd to staff of generl offr to convey messages F-Marshal has 4, Lt-Genl 2, Mj-Genl 1

Aids, tribute paid in feud times by vassal to supr lord in spec emergencies Abolished 1660

Aikin, 1] John, Eng ✝ ✍, * 15/1 1747, † 7/12 22 2] Lucy, Eng. ♛ ✍, * 1781, † 1864

Ailanthus, ❦, gen. of ord. *xanthoxylaceæ*. *A. glandulosa* used for feeding silkworms.

Ailsa Craig, rocky isle off coast of Ayr, Scotland, 1,139 ft. high; ruins.

Aimard, Gustave, Fren. nov. ✓, * 13/9 1818, † 30/4 83.

Ain, ⅄ & departmt., Fran., chf. ⊙ Bourg.

Ainalite, ⊕, var. of cassiterite.

Ainsworth, 1] Robt., Eng. Latinist, * 1660 Woodyale, † 4/4 1743; "Latin Dictionary." 2] Will. Harrison, Eng. novel ✓, * 4/2 1805 Manchester, † 3/1 82 London. 3] Will., Eng. ✓ & misc. ✓, * 1807.

Ain-tab, ⊙ Syria, 20,000 inh.

Air, 1] The atmosphere of the earth, above wh. it extends probly. 50–150 miles, but lowest strata are alone fit to support life. Pressure of air at sea-lev., 15 lb. on sq. inch, measd. by barometer. Very compressible. At 62° Fahr. 810 lighter than water. Air conts. by wght., 23·10 oxyg., 76·90 nitrog. 2] ♫, a tune, melody.

Air-bladder, organ by wh fish adapt sp. grav. of their bodies to pressure of water at var. depths.

Aird, Thos., Scot. poet. & misc. ✓, * 1802, † 76.

Airdrie, ⊙ Lanarksh., Scot., coal & iron, 18,400 inh.

Aire, 1] ⅄, uppr. pt. of Humber, in Yorksh. 2] ⊙ Pas de Calais, Fran., 9,500 inh.

Air-engine, caloric engine, has for mot. power heated air. Invntd. by Dr. Stirling, 1816.

Air-gun, instr. for projectg bullets by elastic force of compd. air.

Air-plants, ❦, chfly. membrs. of orchis tribe, wh. derive great pt. of their nourishmt. from air.

Air-pump, ⊕, instr. for removing air from enclosd. vessel and producng. partial *vacuum*. Invntd. by O. von Guericke, *ca.* 1654.

Airy, Sir Geo. Biddell, Eng. ✎, * 27/6 1801, Astron. Roy. 1835–81.

Aisle, ⅄, side divs. of a church, separtd. from centr. pt., or nave, by pillars.

Aisne, ⅄ & departmt., N.E. Fran., 555,000 inh. Chf. ⊙ Laon.

Ait, eyot, or islet.

Aitchison, Geo., ⅄, * 7/11 1825 London, A.R.A. 81.

Aivazovski, Gabr., Armen. ✓, * 22/5 1812 Crimea.

Aix, Fren. archepisc. ⊙ in Bouches-du-Rhone, 29,700 inh.

Aix-la-Chapelle, *v.* Aachen.

Ajaccio, cap. ⊙ Corsica, birthpl. of Napoleon I. Exprts. wine, fruit, oil, 13,600 inh.

Ajax, 1] the Greatr., hero of Troj. war, kg. of Salamis, went mad and killed hims. 2] the Less, hero of Trojan war, s. of Oileus, king of Locris; insulted Cassandra; drowned.

Ajmere, or Ajmir, 1] distr. of Rajpootana, B. Ind., trade in wool, cotton, opium, 316,600 inh. 2] Its cap ⊙, 26,000 inh. Ced. to Brit. 1818.

Akalees, tribe of Sikhs.

Akbar, Jellaladin Mohammed, called A.; Mog. Emp. of Hindus, * 14/10 1542 Amercote, † 1605 Agra, succd. Humayun 1556.

Akenside, Mark, Eng. poet, * 1721 Newcastle-on-T., † 1770 London. "Pleasures of the Imagination."

Akerman, or Akjerman, ⊕ Bessarab., 29,000 inh. Treaty of A 1826.

Akers-Douglas, Aretas, * 1851, eductd Eton & Oxon.; M.P. 80, Sec. to Treas 85, 86.

Akiba, Ben. Jos., Jew. leader, executed 135.

Aksakoff, 1] Serg. Tim., Russ. ✓, * 1/10 1791 Ufa, † 12/5 59 Moscow. 2] His s. Ivan, polit. & ✓, * 1823, † 3/2 86.

Alabama, one of the U.S.A. on G. of Mex., disco. by Span. 1541, admitd. to Union 1819, seceded 61, readmitd. 68. Prodts., rice, cotton, ⊕s. Cap. ⊙ Mobile. Area 50,000 s m. 1,300,000 inh., half negro.

Alabama, privateer, blt. at Liverpool for Confed. States of America in Civil War. Sunk off Cherbourg 19/6 1864 by *Kearsage.* Her depredations formd. subj. of *Alabama Claims,* settld. by Geneva award 14/9 72.

Alabaster, ⊕, whte. stone usd. by ⊕s, crystalline; sulphate of lime; Tuscany, &c. Heated to powder=plaster of Paris.

Alabes, *zool.,* gen. of conger, Ind. O.

Ala Dagh, ⛰ Turk. Armen., 10,800 ft. high.

Alais, ⊙ Fr., 22,000 inh.

Alakananda, ⚓ Ind., ris. in Himal. ⛰, afflnt. of Ganges.

Alako, gipsy deity.

Alamanni, Ludov., It. poet. ✓, * 1495, † 1556.

À la mode, Fr.=according to the fashion.

Aland Isles, Gulf of Bothnia, Balt. Sea., cap. ⊙ Aland. ⚓ ⚔ 1714.

Alarcon, Ped Ant. de, Sp. poet. & nov. ✓, * 1833 Guadix

Alarcon y Mendoza, J. Ruiz de, Sp. ☉ ✓, * 1590, † 4/8 1639.

Alard, D. J., ♞, * 8/3 1815 Bayonne.

Alaria, ✱, genus of seaweeds, ord. *fucaceæ.*

Alaric, kng. of Visigoths, captd Rome 410. † 410 Consentia, buried in ⚓ Basento.

Ala-shehr, ⊙ Anatol., As. Min., 18,000 inh.

Alaska, territy. of U.S.A., since 1867; formly. Russ.; cap ⊙, Sitka; 577,390 s.m., 85,000 inh., chfly. Ind. and Esquim.

Alauda, ornith., gen of graminiv birds, incldng. larks.

Alava, an old Basq. prov. of Sp.

Alayrac, Nic. d', ♞, * 18/4 1753, † 27/11 1809 Paris.

Alb, † vestmt. of white linen, hang. to feet, w. close sleeves.

Alba, 1] ⊙ Upp. It. 12,300 inh. **2]** ⊙ Abruzzo, anctly. A. Fucentia.

Alba, *v.* Alva.

Albacete, ⊙ Sp., 18,000 inh.

Albacore, ichthy., *thynnus albacorus,* spec. of tunny.

Alba Longa, anct. ● cap. ⊙ Latium, It.; destroyd. 670 B.C.; now Albano.

Alban, St., protomart. of Brit., † *ca.* 285 Verulam.

Albani, *Emma, née* la Jeunesse, ♪ singer, * *ca.* 1850 Montreal.

Albani, Franc., ●, * 1578, † 4/10 *1660.*

Albania, prov. of Europ. Turk., on Adriat.; mntainous. Chf. ⊙, Scutari. Pop. of prov. 1,200,000. ⛰s, Kom, Schar Dagh, Pindus. ⚓s, Drina, Bojana. ⊙s, Durazzo, Avlona, Arta, Prisrend, Janina. Land of the Arnauts.

Albans, St., cathed. ⊙ of Herts, Eng., anctly. Verulamium. 11,000 inh.

Albany, cap. ⊙ State of N. York, U.S.A., on ⚓ Hudson. Fnd. by Dutch 1623. Timber. 90,000 inh.

Albany, 1] Leopold G. D. A., Dk of, 4th s. of Q. Victoria, * 7/4 1853, creatd. peer 81; m. 27/4 82 Pcess. Helena of Waldeck, † 28/3 84 Cannes. **2]** His s., Leopold C. E. G., 2nd Dk., * 19/7 84.

Albany, Louisa, Ctess. of, * 1753, wife of Young Pretender 72; eloped w. Alfieri 80, † 1824.

Albatani, Arab. ✱, † *ca.* 929.

Albatross, gen. aquat. birds, commn. near Cape of G. Hope.

Albemarle, G. T. Keppel, 6th Earl of, travelr. & ✓, * 13/6 1799, suc. 51.

Albemarle, *v.* Monk.

Alberoni, Cardinal Giul., Sp. min., * 1664 Piacenza, † 26/6 1752.

Albers, J. F. H., Germ. ♪, * 1805, † 67 Bonn.

Albert, 1] Fran. A. Aug. C. Emm., Dk. of Saxony, Prce. Consort, * 26/8 1819 Coburg, m. Q. Victoria 10/2 40, † 14/12 61. **2]** A. Casim., Dk. of Saxe-Teschen, * 1738, beaten at Jemmapes, † 22 Vienna. **3]** Kng. of Saxony, * 23/4 1828, succd 29/10 73, m. 18/6 53 Carola of Wasa. **4]** A.

Edward, Prce. of Wales, s. of 1, * 9/11 41, Brit. Fld. Marsh., m. Alexandra of Denm. 10/3 63; heir appt. of Eng. crown. 5] His son, A. Victor Christian Edward, heir presumpt., * 8/1 64.

Albert, or Albrecht, 1] A. I., Dk. of Aust., Emp. Germ., s. of Rudolph of Hapsburg, fndr. of Aust. dyn., * *ca.* 1250, emp. 1298, murd. 1/5 1308 Switz. 2] A. II., Emp. Germ. 1438–39. 3] A. the Bear, Margr. of Brandenburg, * 1100, † 18/11 70. 4] A. Marg. of Brand., first Dk. of Pruss., 1490, † 24/9 1545. 5] A., Archdk. of Aust., * 3/8 1817 Vienna, Govr of Hungary 51, vict. at Custozza 66.

Albert, Heinr., ♆ & ⁄, * 1604 Lobenstein, † 51.

Alberti, 1] Leo Batt., It △, ⊙, ♆, ⁄. * 18/2 1404, † 72, blt. Palazzo Rucellai, Florence. 2] Dom., ♆, 18th cent.

Albert Nyanza, Lake of Cent. Afr. und. equator, 300 × 92 miles, surrnd. by cliffs, surf. 2,720 ft. ab. sea, traversd. by White Nile; discovd. by Speke & Grant, 1862.

Albertus Magnus (Albert Ct. of Bollstadt), Germ. schol. & ⁂, 1193, † 1280 Cologne: bp. of Ratisbon 60. His followers, Albertists.

Albertype, process of photog. printing.

Alberus Asmus, polem. ⁄, * 1500, Sprendlingen, † 5 5 58.

Albi, cap. ⊙ departmt. Tarn. Fr., archbpric. 18,000 inh.

Albigenses, † sect, arose 12th cent. in Fran., rejectd. Pope and Rom. docts. Albi and neighbd. Crusade agst. them under Sim. de Montfort, 1209–29.

Albino, having white skin & hair and red eyes.

Albinus, Bern. Sieg., ♆, * 1697 Frankfort, mat. ⁄, † 1770.

Albion, anct ⊕, Britain. Albyn, Gaelic for Britain.

Alboin, fndr. of Lomb. dom. in It., captd. Pavia 572, † 8/6 573.

Alboni, Marietta, ♪ ♆, * Cesena 1823, pup. of Rossini, first appeard. 39 Bologna, cntrlto.; m. Marq. of Pepoli 63, & quitted the stage.

Alborak, Mahom. myth., animal on wh. Mahomet traveld. from Jerusalem to heaven.

Albornoz, Gil C. de, Card. Archbp. of Toledo & ⚔, † 1364 Viterbo.

Albrecht, *v.* Albert.

Albrechtsberger, Joh. Geo., Austr. ♆, * 1736, † 1809. ⁄.

Albuera, villg. Badajoz, Sp. ⚔ 16/5 1811.

Albuginea, the white of the eye.

Albumazar, Pers astrol., * 776, † 885. ⁄.

Albumen, ?, subst. wh. exists in white of egg, &c.: coagul. on app. of 161° heat, also in alcohol & by elect.; used in sugar refining.

Albuminoids, ? substs., such as fibrin, albumen.

Albuminuria, ✠, disease causd. by presence of albumen in urine: Bright's disease.

Albuquerque, Alph. d', Port. navig & statesm., * 1453 nr Lisbon, † 1515; fnd. Port Emp. in Ind.; 03 in Madras, conqd. Ormuz 15, Ceylon, Malacca.

Alburnum, newly formed wood immed. beneath bark of trees; sapwood.

Alca, gen. birds, incl. great auk & razorbill, belong. to ord. *natatores.*

Alcæus, Grk. lyr. ⁄, *ca.* 600 B.C. Lesbos.

Alcala de Henares, ⊕ ⊙ New Castile, Sp., Univ., 6,000 inh.

Alcalde, Sp. judge.

Alcamenes, Ath. ⚲, *ca.* 475 B.C. pupil of Phidias.

Alcantara, Sp ⊙, 4,500 inh. Ord. of A., Sp. ord. of relig kts., fnded. 1156.

Alcarraza, Sp., a porous earthen vessel.

Alcayde, or Alcaide, Sp. ⚔ governor.

Alcazar, Sp = fortress, palace.

Alcedo, the kingfisher, type of *alcedinidæ.*

Alcester, Lord, Adml F B P Seymour, 1st Baron, * 12/4 1821, comnd at bomb of Alexandria 1882

Alchemilla, ♃, gen of nat ord *rosaceæ*, incl lady s mantle

Alchemy, false science of Mid Ages, seekg to disc philos s stone & elixir of life Parent of mod ⚗

Alcibiades, Athen statesm & ⚔, * 450 B C Athens, † 404, pupil of Socrates

Alciphron, Grk ✓, letters, *ca* 2nd cent

Alcmæon, 1] Grk ⚕, 6th cent B C 2] or Alcman, Grk lyr ✓, 6th cent B C

Alco, a long haired Peruv & Mex dog

Alcock, 1] John, Eng † & pol, * Beverley, fnded Jesus Coll Camb, † 1500 2] Sir Rutherford, ✈, dipl & orient, * 1809 Lond

Alcohol, ⚗, sp of wine, C_2H_5OH, mnftd by distillg fermentd liq, colourless, inflam, unfreezable, exists in beer & wine Taken int, prodcs intoxication

Alcoran, *v* Koran

Alcott, 1] Amos B, Amer ✓, * 29/11 1799 Wolcot, † 5/3 88 2] His d Louisa May, nov ✓, * 1833, Germantown, † 6/3 88

Alcoy, Sp ⊙, 20,000 inh

Alcuin (Flaccus Albinus), Eng †, * *ca* 735 York, † 804 Tours, ✓

Aldebaran, ★, star 1st magn, in constel Taurus

Aldeburgh, ⚓ ⊙ Suffolk, 2,100 inh, bathing

Aldegrever, Heinr, ● & engraver, * 1502, † 62

Aldehyde, ⚗, prodct of oxidatn of alcohol & ether Discovd by Liebig, formula C_2H_3OH

Aldenhoven, Rhen Pruss ⊙, 3,000 inh, ⚔s 1793, 1794

Alder, ♃, *alnus*, gen of trees of ord *betulaceæ*

Alderman, senior man, elder, superior Eng ♔, governor, senator, now magistr memb of municipal corporatn next in rnk to mayor.

Alderney, or Aurigny, the most Nly of the Channel Isles, fortifd., area, 4 s m, 2,050 inh Brit possn since 1066

Aldershot, ⊙ Hants, 20,200 inh ⚔ camp

Alderson, Sir James, ✈, * Hull, † 13/9 82 ✓

Aldhelm, St, Ang-Sax †, * 630, † 709

Aldine, typog, by, or after the manner of, Aldus (*q v*)

Aldrich, 1] Hen, † & ♪, * 1647 Westminster, † 1710 Oxford 2] T B, Amer nov & poet ✓, * 11/11 1836 Editor of *Atlantic Monthly*

Aldringen, John, Count Imp genl in 30 Years War, * 1591, † 22/7 1634 ⚔ Landshut

Aldrovandi, Ulysses, ornith. ✓, * 11/9 1522, Bologna, † 10/3 1605

Aldus Manutius, printer, * 1449 Bassano, hvd at Venice, † 8/2 1515 His son Paulus 1511–74, & his son Aldus jun 1549–97 contd the business

Ale, beer, intoxg liquor made by fermentg infusn of malt & flavourg with bitter, genlly hops Very anct

Aleander, Hieron, Card, oppnt of Luther, * 13/2 1480, † 31/1 1542

Aleardi, Aleardo, It poet ✓, 1812, † 17/7 78

Alecsandri Bas, Rouman dram ✓, * 1821

Alecto, class myth, one of the Furies

Alegar, sour ale vinegar

Aleko Pasha (Alex Vogorides), Bulg statesm * 1825, Gov genl of East Roumel 79–84

Alekseev, Feod, Russ ●, * 1755 † 1821

Aleman, Math, Sp rom ✓, * 1550, † 1610 Mexico "Guzman de Alfarache

Alembert, Jean le R d, Fr math & encyclop ✓, * 16/11 1717 Paris, † 29/10 83

Alembic, anct ⚗, apparat for distillin

Alemtejo, prov. of S. Port., 374,600 inh., cap. ⊙ Evora.

Alençon, cap. ⊙ deptmt. Orne, Fr., on Sarthe, lace, cath., ruind. castle, 16,050 inh.

Alençon, Franç., Dk. of, 4th son of Hen. II. of Fr., * 1554, † 1584, infamous.

Aleppo, or Haleb, cap. ⊙ prov. of same name, Syria. Anctly. Beroea. Cloth; ruins. 110,000 inh.

Alesius (Alex. Ales), Scot. Prot. †, * 1500, † 1565.

Alessandria, ♔, cap. ⊙ prov. of sm. name, N. Ital., on Tanaro: blt. 1168, 56,545 inh. Treaty of A. 16/6 1800.

Alessi Galeozzo, A., * 1500 Perugia, † 31/12 72. Pupil of M. Angelo.

Aleutian Isles, off Alaska, belg. to U.S.A., 160 in numb. 20,000. inh. Discvd. 1728 by Behring.

Alexander, 1] the Great (III.), kng. of Maced., son of Philip II. & Olympia, * 356 B.C. Pella. Pup. of Aristotle, vict. ⚔ Chæronea 338, succd. 336, conqd. Thebes 334, vict. at ⚔ Granicus 333, & Issus; conqd. Syria & Egypt 332; vict. ⚔ Gaugamela 331; destrd. Pers. Emp.; advcd. to India 327; † 323 Babylon. **2]** A. Severus, Rom. Emp., * 208 Syria, succd. 222, vict. Pers., murd. 235 Mayence. **3]** A. III., Pope, 1159–81. **4]** A. VI., Pope (Borgia), * 1430, † 18/8 1503 of poison. **5]** A. I., Emp. of Russ., s. and succr. of Paul I., * 23/12 1777, succd. 24/3 1801, opposd. Napoleon, allied with him at Tilsit 1807, again oppsd. Napol., 13 with Aust. & Pruss., † 1/12 25 Taganrog. **6]** A. II., Emp. of Russ., s. Nich. I., * 29/4 1818, succd. 2/3 55, reformer; assasd. 13/3 81 Petersburg; m. (a) Maria of Hesse, (b) Pcess. Dolgourouki. **7]** A. III., son of **6.** * 10/3 1845, heir 65 by death of elder brother, succd. 13/3 81, m. Pcess. Dagmar of Den. **8]** A. s. of Pr. Alex. of Hesse-Battenberg, * 5/4 1857, fought Turk. war 77–78, called to throne of Bulgaria 29/4 79, vict. Servia 85, deposed & abducted 21/8 86, restord., abdictd., 7/9 86. **9]** A. Joh. Cousa, Prince of Roumania, * 20/3 1820 Galatz, succd. 59, overthrown 66, † 15/5 73. **10]** A. Karageorgievitch, Pr. of Servia, s. of Czerny George, * 11/10 1806 Topola, elected 27/3 43, deposd. 24/12 58. **11]** A. I., kng. Scotl. 1107–24. **12]** A. II., kng. Scotl. 1214–49. **13]** A. III., kng. Scotl., 1249–86.

Alexander, 1] Sir J. Edw., Eng. ✓, * 1803. **2]** Stephen, Amer. ✓, * 1/9 1806 Schenectady, † 25/6 83.

Alexander of Aphrodisias, ✍, taught *ca.* 200 at Athens.

Alexander of Hales, Eng. ✝ 13th cent. "*Doctor Irrefragabilis.*"

Alexander Balas, kng. of Syr. 150–45 B.C.

Alexander Nevsky, Russ. St. & hero, * 1219 Vladimir, s. of Jaroslav II. Grand Dk. of Novgorod, succd. to Grnd. Dchy. of Vladimir 1245, deftd. Swedes on the Neva, † 1263 Kassimeov. Ord. of A. N., Russ., fnd. by Peter the Grt.

Alexandra, eld. dau. of Christian IX., kng. of Den., * 1/12 1844, m. 10/3 63 to Albert Edwd., Pr. of Wales.

Alexandretta, *v.* Scanderoon.

Alexandria, ⚓ ⊙ Lowr. Egypt, on Mediterr. Fnded. by Alex. the Grt. 332 B.C. Captd. by Arab. 638, by Turks 868; till 969 centre of Egypt. trade; captd. by Fren. 1798; bombded. by Eng. 11 & 12/7 1882. 212,000 inh.

Alexandrian Library, fnded. by Ptolemy Soter at A. in 3rd cent. B.C., destroyd. by Arabs under Amru, *ca.* 638. 700,000 vols.

Alexandrian Manuscript, *v.* Codex.

Alexandrine Age, fm. 323–640.

Alexandrine Verses, iambics of 6 feet, or 12 syllables, genlly. rhymed in pairs.

Alexandropol, Russ. ⊙, Transcaucasia, 20,000 inh.

Alexandrowski, 1] Russ. ⊕ on Dnieper, 14,281 inh. 2] E. Siberian district. opp. Saghalien. Harbour.

Alexei, or Alexis, 1] Michaelovitch, Russ. Czar, * 10/3 1629, succd. 12/7 45, compltd. conqst. of Siberia, fathr. of Peter the Grt., † 29/1 76. 2] A. Petrovitch, s. of Peter the Grt. & Eudocia Lapushkin, * 18/2 1690 Moscow, opposd. the reforms of his fathr, † 7/7 1718 in prison.

Alexinatz, Serv. ⊙ on Morava, 4,500 inh.

Alexis, Grk. com. ✓, *ca.* 392 B.C. *Vide also* Alexei.

Alexius I., Comnenus, Byzant. Emp., * 1048 Constantinop, opposd. the crusaders; † 15/8 1518.

Al-fargani, Arab. ★, 9th cent.

Alfieri, Vittorio, Count, It dram. poet. ✓, * 17/1 1749 Asti, † by suic. 8/10 1803 Florence Tragedies, *Saul, Filippo;* Memoirs. Eloped with wf. of Young Pretender 1785.

Alfonso, *v.* Alphonso.

Alford, Henry, Eng. †, * 1810 London, poet. ✓, Dean of Canterbury 57, † 12/1 71.

Alfred the Great, kng Eng., * 849 Wantage, succd. 871 to throne of Wessex, deftd. by Dan. 878, vanq. Dan. 879, 893, † 28/10 901. Buried at Winchester.

Al fresco, Ital. = in the open air.

Alfric, *v.* Ælfric.

Algæ, ✱, ord. of flowerless plnts., incl. seaweeds; some are edible cooked, others cont. iodine, bromine, soda.

Algarotti, Francesco, Count, It. crit. ✓, * 1712, † 3/5 64.

Algarve, most S prov of Port., area 2,099 s.m, 206,000 inh., cap. ⊙ Faro. Anctly., indep. kingdom

Algebra, mathem, calculatn. by means of symbols in lieu of numbers. Invntd. by Hindus; introd. to Europe by Arabs.

Algeciras, 1] ⚓ ⊕ opp. Gibraltar, Spain, captd. by Moors 713, recaptd by Sp. 1344. Pop 16,000. 2] Arab. name for Mesopotamia.

Algenib, ★, brightest star in constel. Perseus.

Algeria, or Algiers, Fren. col. poss. in N. Afr., on Mediterr., 550 × 380 m., 257, 600 s.m., 3,310,412 inh., incl. 300,000 Europ. ⊕ Atlas. *Races,* Kabyles, Arabs, Moors, Jews, Turks, Kolougis, Negroes. ♛, Once vass. of Turk., govd. by Dey, conqd. by Fran. 1830–47. Fertile nr. coast. Divd. into 3 provs, Algiers, Oran, Constantine. Cap. ⊙ Algiers. ⊙'s, Oran, Constantine, Blidah. ⚓s, Wad el Kebir, Tafna, Buberac, Seybouse.

Al-ghalib Billah (Mahmoud Ibn Yusuf), 1st Naserite Sult. of Granada, began Alhambra, † 1273.

Alghero, ⚓ ⊙ W. Sardin., coral, 8,000 inh.

Algiers, cap. ⊙ Algeria, bpric, 53,000 inh. Bomb. by Engl. fleets 1655 & 27/7 1816.

Algoa Bay, Cape Colony, S.E. Afr.

Algol, ★, fixed star in constel. Perseus.

Algonquin, race of N. Am. Inds. incl. Micmacs, Montacs, Delawares, Chippeways, Foxes, Blackfeet, &c. Origlly. extend. from Maine to Chesapeake.

Alguazil, Sp., policeman, bailiff.

Al-hakem ibn Alta, surnd. Mokenna, Mahom. impostor, Veiled Prophet of Khorassan, † 779.

Alhama (anct. ⊙, Artigis Juliensis), ⊙ Granada, Sp., noted baths, 7,000 inh.

Alhambra, anct. castle of Moor. kngs. at Granada, Sp., blt. *ca.* 1273, surrend. to Sp. 1492, well preservd

Ali ben Abu Taleb, Mahomet's compan. & son-in-l, * 602 Mecca, Khalif 656, murd 23/1 661. Revrnd. by the Shiites. Fathr., by Fatima, of Hassan & Hossain

Ali ibn Hammûd, fnded. dyn. of Hammudites, at Cordova, 1016.

Ali Pasha of Janina, * 1741 Tebelen, 87 Pasha of Trikhala, 1803 Gov. of Albania, murd. 5/2 22. Cruel but brave.

Alias, Lat. = otherwise. In ⚖, also, a second writ.

Alibi, Lat. = in another place. ⚖

Alibrandi, Gir. (Raphael of Messina), Sicil. ●, * 1470, † 1524.

Alicante, prov. N. Sp. on Medit. 408,000 inh. Cap. ⊙ of same name, harb., 32,000 inh. Wine.

Alice Maud Mary, Pcess., 2nd dau. of Q. Victoria, * 25/4 1843, m. 1/7 52 Louis IV. of Hesse, † 14/12 78.

Alien, Eng. ⚖, one not possessg. privil. of Brit. subject: may hold propty. in land but not in ships. Alien Act 1793.

Aligarh, distr. of Meerut, B. Ind., 1,964 s.m., 1,100,000 inh. Aligarh Fort in distr. captd. 29/8 1803.

Alimentary Canal, the passage travd. by subs taken as food, *i.e.*, mouth, pharynx, œsophagus, stomach, cardiac pouch, sm. intestine, large intestine, rectum.

Alimony, ⚖, allowce. for suppt of wife lglly. separd. from husb.

Aliquot Part, arith., part of a number wh. measures it without remainder.

Alisma, ❀, gen. of aquat. plnts., incl. water-plantain.

Alison 1] Sir Archibald, Brit ♛ /, * 29/30 1792 Kenley, educated Univ. Edinb., author 39–42 "History of Europe," † 67. 2] His s., Sir Archibald, Genl., * 21/1 1826, /. Memb. of Co. of India 88.

Aliwal, villg., Punjab, on Sutlej, ⚔ 28/1 1846.

Alizarin, ⚗, colouring matter of madder.

Alkali, ⚗, class of bodies directly oppsd. to acids in th chem. action. Tinge red litmus blue, destroy ac propties. of acids & produce "salts." Chf. alkalies: potass, soda, ammonia, the last being volatile Stronger A.'s powerf. caustics.

Alkaloids, ⚗, bodies of veg orig. which resemble in action the volat. alkali, ammonia. All cont nitrogen, & comb. with acids to form salts.

Alkanet, ❀, gen. of the nat ord. *boragineæ*, or borages. One spec. gives red dye.

Alkmaar, ⊕ Holl., mnf. cloth, cheese; 10,000 inh.; captd. by Brit. 2/10 1799.

Alkmaar, Henry of, assumd. name of authr. of Low Germ. folk-poem, "Reynard the Fox," 15th cent.

Alkohl, Arab = sulphuret of antimony; used by E. women for pntng. eyebrows.

Alla breve, 𝅗𝅥, Ital., direction to make notes shorter.

Allah, Arab. name for God.

Allahabad, or Akbarabad, 1] Divis. of N.W. Prov., Brit. Ind. comprsng. dists. of Allahabad, Cawnpur, Fatehpur, Hamirpur, Banda, & Jaunpur, 5,466,200 inh. 2] Dist. of same, 2,800 s m., 1,400,000 inh. 3] Cap. ⊙, N.W. Provs. on Ganges & Jumna, fort. palace, 144,500 inh.

Allan, D., Scot. ●, * Edinburgh, † 6/4 1796.

Alla-oo-deen I., first Mahom. invader of Deccan, 1294.

Allatius, Leo, Grk. Rom. Cath. /, * 1586 Chios, † 1669 Rome.

Alleghanies, or Appalachians, incl. Adirondacks, & Blue, Green, & White ▲▲s, ▲▲ in E. pt. of U.S.A. & Canad., 1,300 m. long, 130 m. broad. Highest pt. ▲ Washington, N. Hampsh. Coal & iron.

Alleghany, ⚓ U.S.A., trib. of Ohio, navg to Pittsburg, 200 m.

Allegiance, ⚖, duty owed by a subj. to a sovereign. Oath of Alleg. imposed in Eng. 1559, taken by pers holdg. public office.

Allegory, a consecutive figurtv. discourse in wh diff. meaning from that directly expressed is conveyd. *e.g.* Bunyan's "Pilgrim's Progress."

Allegri, Greg., It. ✝ 𝅗𝅥, * 1580, † 1652.

Allegro, 𝅗𝅥. Ital. = cheerful, brisk, but slower than *presto*. *Allegretto* = rather lively.

Alleluia Victory, in Flintsh., ca 429. Brits. vanqd. Picts.

Allemande, 𝅗𝅥. slow air in 4/4 time; dance in 2/4 & 3/4 time.

Allemanni, mxd. race in heart of Germ., deftd. by Rom. 257–60, vict. 285–87, deft. by Constantine, Julian 356–61, Clodwig 496, absorbd. in Germ.

Allen, 1] K. F., Dan. ♛ /, * 1811, †71. **2]** or Alleyn, Edw., actor, * 1/9 1566 London, fnded. Dulwich College 1614–19, Coll. opend 13/9 19. A. first master. † 25/11 1626. **3]** Ethan, * 1737, † 1789, Amer., hero of War of Ind. **4]** John, Archb. Dublin, 1528–34. **5]** William, Amer. /, * 1784.

6] Grant, misc. & journ. /, * 24/2 1848 Kingston, Canada. "Evolutionist at Large" 81.

Allersheim, Bav. villg. ⚔ 3/8 1645.

Allestre, Rich., Eng. †, * 1619, † 1680, fght. for Charles I., aftw. Provost of Eton. /.

Alleyn, *v.* Allen.

Allgemeine Zeitung, Germ. newspaper, fnded. 1794, at Tubingen, by Cotta. Now pubd. at Augsburg

All-hallows, All Saints' Day.

All-heal, ✿, grt. wild valerian, *v. officinalis.*

Alliance, polit., agreement betw. States for an object. Holy A., agreemt. of Europ. sovs. 1816.

Allibone, Dr. S. A., Amer. bibliog. * 17/4 1816.

Allier, departmt of centr. Fran., ar. 2,821 s.m., 408,000 inh., cap. ⊙, Moulins.

Alligation, math., rule for findg. price of a mixture of wh. price of ingreds. is known.

Alligator, the Amer. crocodile, *v.* Crocodile.

Allingham, 1], Wm., Eng. / & poet, * 1828 Ballyshannon.

2] His wf. Helen, *née* Paterson, ◆, * 26/9 1848, mar. 74.

Allioli, J. F., R. Cath. †, * 1796 Sulzbach, † 22/5 73. Authr. of trans. of Bible into German, as approvd. by Pope.

Alliteration, freqt. recurrence of same letter or sound in composition.

Allium, ✿, gen. of plnts., ord. *liliaceæ,* incl. onion, leek, garlic.

Allman, Dr. G. J., ✿ & ⚕ /, * 1812 Cork.

Allochroite, ◆, spec. of garnet.

Allocution, a formal utterance by the Pope.

Allodial, ⚒, held absolutely; opposd. to feudal.

Allopathy, ⚕, cure by antidotes, opposd. to homœopathy.

Allosorus, ✿, gen. of ferns, *cryptogamia,* incl. parsley fern.

Allotropy, ⚗, capability of existg. in two or more distinct & perhaps dissimil. forms.

Alloy, ⚗, compound of two or more metals. Alloy always more fusible than component mets. ⚒, the base met. mixed w. gold & silv. in coining. Sovereign = 22 pts. gold, 2 pts. alloy.

All Saints' Day, Christ. †, festiv. in mem. of all uncommemorated saints, inst. ca. 610, observd. sin. 834 on 1/11.

All Souls' College, Oxford, fnd. 1437 by H. Chichele, Archbp. Cant.

All Souls' Day, R. C. †, festiv. on behalf of souls in purgatory. Instd. ca 993, celebrated 2/11.

Allspice, spice produced by *eugenia pimenta,* nat. order *myrtaceæ,* fnd. in W. Ind.

Allston, Washington, Amer. ◆ and poet. /, * 5/11 1779 nr. Georgetown, † 8/7 1843 Cambridge.

All the Talents, Ministry of; in Eng. 1806–7.

Alluvium, ⚒, accumultn. of soil washed down by rivers, as delta of Ganges.

Alma, ⚓ Crimea, ⚔ 20/9 1854.

Almack's, a ball-room built in London 1765, now Willis's Rooms.

Almada, Alvaro vas d', Port., ⚔, † 1449.

Almaden, ⊙ Ciudad Real, Spn., quicksilv. mines, 9,000 inh. Anctly. Cisapona Cetobrix.

Almagro, Diego de, one of the conqrs. of Peru, quarreld. with Pizarro, by whom he was strangled

1538. His son, Diego, * 1520, succd. his f. in govmt.; deposd. & executd. 1542.

Alma Mater, Lat. = nursing mother; used to designate place of education, esp. university.

Almanac, book or table contg. the calendar, times of risg. & settg. of sun & moon, times of high water, &c. Earliest A. in Brit. Museum, 1431 (*v.* Nautical Almanac, Calendar). A. de Gotha, a record of the princely fams. of Europe, publishd. yearly since 1764.

Almandine, ⊕, var. of garnet.

Almansor, 2nd Khalif of Abbaside dyn., * 713, succd. 753, † 775.

Almanza, ⊙ Valencia, ⚔ 25/4 1707, Eng. vict.

Al marco, standard purity of coinage; up to the mark.

Alma-Tadema, Laur., ●, * 8/1 1836 Dronryp, Friesland. Resides in London; R.A. 79. His wife, Laura, genre ●.

Almeida, ⊕ Beira, Port., ⚔s, 1762, 1810, 1811. 7,000 inh.

Almëida, Franc. de, Port. genl., created in 1505 first vicer. of Indies, conqrd. Malacca, killed, 10, in Afr. His son, Lorenzo, discovered Madagascar, † 1507, in ⚓ ⚔ with Egypt.

Almeida-Garrett, J. B., Port. poet. ✓ & polit., * 4/2 1799, † 10/12 1854 Lisbon.

Almenara, Sp. ⊙, ⚔ 10/6 1710.

Almeria, prov. Spain, 350,000 inh., cap. ⊙, A., 28,000 inh., wine; seaport.

Almohades, Mahom. dyn. in Morocco & Spain, 1147. Expeld. from Sp. 1212.

Almond, ✱, *amygdalus,* tree of ord. *rosaceæ,* nat. of Asia; sweet or bitter; oil of A. extractd. from kernel of fruit.

Almoner, a distributer of alms. In Engl., Lord High A., ✝ offer. distribs. royal bounty.

Almonte, Juan, Mex. genl., * 1804, favourd. the French occup., minis. under Maximilian, † 22/3 69 Paris.

Almorah, cap. ⊙ Kumaon, Ind., captd. by Brit. 25/4 1815.

Almoravides, sect of Arab. fanat., fnded. emp. of Morocco 1070, conqrd. much of Spain, superseded & destroyd. by the Almohades 1147.

Almquist, Karl J. L., Swed. ✓, * 28/10 1793, † 26/10 1866.

Alms-house, charitable fndatn. for support of poor.

Almucantar, ✳, circle drawn parallel to the horizon.

Almud, superf. meas. in Mex. & C. Amer. = *ca.* 7¼ acres; in Sp. & S. Amer., slightly more.

Almuda, meas. of capac. (dry), in Mex. = *ca.* 4 qrts., in Morocco = *ca.* 11 qrts.

Almude, liq. meas. in Sp. & Port., varies accordg. to local. & liquid.

Almug, probly. sandal-wood.

Alnus, ✱, gen. of nat. ord. *betulaceæ,* incldng. alder.

Alnwick, cap. ⊙ Northumberlandsh., castle, ⚔ 1174. 6,700 inh.

Aloe, ✱, gen. of succnl. plnts. of ord. *liliaceæ;* juice, called aloes, used as purgative ✱. American Aloe belngs. to ord. *amaryllideæ;* *v.* Agave.

Aloes-wood, or eagle-wood, fragrant wood of an Ind. tree of ord. *aquilariaceæ.*

Aloisi, Bald. (Il Galantino), It. ●, * 1578, † 1638.

Alompra, fnder. of last Burm. dyn., * 1710, seized Burm. 52–55, † 15/5 60.

Alonsine, *v.* Alphonsine Tables.

Alopias, gen. of *squalidæ,* or sharks.

Aloysia, ✱, gen. of ord. *verbenaceæ.*

Alpaca, zool., *lhama pacos,* of Andes, produces fine wool called A.

Alp Arslan, Seljuke Sult., 1063–72.

Alpes, 1] A. Maritimes, departmt. Fr., incl. Nice, Mentone; 205,000 inh. 2] Basses-A., departmt. Fr., 136,500 inh. 3] Hautes-A., departmt. Fr., 120,000 inh.

Alphege, St., Archbp. Cant., 1006–12. Festiv. 19/4.

Alpheus, anct. ⊙, ⚓, Peloponnesus, now Rufia, partly subterrn.

Alphonsine Tables, ✱ work appeared 1252 und. patr. of Alphonso X., conts. places of fixd. stars, &c.

Alphonso, or Alonzo, or Ildefonso, 1] I., first kng. of Port., sucd. 1139, s. of Henry of Burgund., * 1110, vict. over Moors at Ourique 39, † 6/12 85. 2] A. V., kng. of Port. 1438–81, conqd. Tangiers & Castile. 3] A. X., the Wise, king of Castile, * 1226, sucd. 52, Germ. Emp. 57, deposd. by his s. Sancho 82, † 4/4 84. Legislator & ✱. 4] A. XII., kng. of Sp., s. of Isabella II., * 28/11 1857, calld. to throne 74, † 25/11 85; m. (*a*) Mercedes de Montpensier, 23/1 78, wh. † 26/6 78; (*b*) Maria Christina of Aust. 29/11 79. 5] His post. s., A. XIII., * 17/5 1886.

Alpha (*a*), 1st letter of Grk. alphabet; symbol for beginning; firstly.

Alphabet, collectn. of conventional signs used to signify the elementary sounds out of which language is formd. More than 400 A.s.

Alps, system of ⛰s of Cent. Euro., in Switz., Fr., It., & Aust. W. Alps incl. Maritime, Cottian, & Graian; Mid. Alps incl. Pennine, Lepontian or Helvetian, Rhætian, Bernese, Oertler, Trientine; E. Alps incl. Noric, Carnic, & Julian ⛰s. Highest sumts., Blanc 15,781 ft., Rosa 15,585 ft., Oertler Spitz 15,430 ft., Cervin or Matterhorn 14,837 ft., Jungfrau 13,720 ft. Lakes, Constance, Lucerne, Geneva, &c.

Alpujarras, ⛰ Andalus., S. Sp.; highest sumt. 7,000 ft. Pt. of Sierra Nevada.

Alqueira, Port. meas. of capac., *ca.* 11½ qrts., Brazil *ca.* 29 qrts.

Alsace, or Elsass, with Lorraine, prov. of Germ. Emp., conqd. from Fr. 1870; annexed 10/5 71; 3,344 s.m.; 1,100,000 inh. Chf. ⊙s, Strasburg, Colmar, Muhlhausen. ⛰ Vosges.

Al segno, Ital. = to the sign, 𝄋, return to bar marked ;𝄋.

Alsen, Germ. isld. in Baltic, off Schleswig, ceded by Den. 1864, 20 × 12 m., 23,000 inh. ✕ 29/6 1864.

Al-sirat, Mahom. myth., the bridge over Hell.

Alsop, Rich., Amer. / & journ., * 1761, † 1816.

Alster, ⚓, affint. of Elbe.

Alströmer, Jonas, Swed. philanth., &c., * 1685, † 1761.

Altai Mountains, ⛰ Cen. As., betw Siberia & Mongolia. Highest sumts. 12,000 ft.; gold, silver, lead.

Altaic speech & people, philol. & ethnol., 5 fams.—Mongol., Turk., Tungus., Samoyed., Finn.

Altar, anct. ✝, high place on wh. sacrifs. were offrd. Rom. C. ✝, table on wh. mass is offrd.

Altdorfer, Alb., ● & etcher, * *ca.* 1480, † 1538 Regensburg.

Altenburg, 1] cap. ⊙ Saxe-Altenburg, Germ., 26,000 inh. 2] ⊙ in Sax., 2,000 inh.

Altenkirchen, ⊙ Rhen. Pruss. ✕ 4/6 1795.

Altenstein, Ch. Fred., Baron v. Stein zum, Pruss. statesm. * 7/10 1770, † 14/9 1840.

Altera pars, Lat. = the other part.

Alterative, ℞, mild purgative, or, more properly, medicine wh. changes habit of body.

Alter ego, Lat. = my other self, counterpart.

Althæa, ❀, *a. officinalis,* marshmallow, nat. ord. *malvaceæ.*

Altin, Russ. copper coin = 1½d.

Altitude, ✱, angul. elevtn. of a heavenly body above horizon. Apparent A., that which appears; true A., that wh. results by correctg. the Appt. A. on account of refraction, dip of horiz., & parallax.

Alto, 𝄡, 1] highest adult male voice, called counter-tenor. 2] Deepest voice of women & boys, called contralto. 3] Genly.; from 4th line bass to 3rd space treble.

Alton, ⊙ Hants, 4,500 inh.

Altona, ⊙ on Elbe, nr. Hamburg, N. Germany; ceded by Denmark, aft. war of 1864, to Pruss. Free port, great trade. 92,000 inh.

Alto-octavo, 𝔐, an octave higher.

Alto-relievo, Ital. = high-relief. ⌕, executd. on flat surf., but projectg. well beyond the ground, nearly all the figure being shown; *e.g.* works of Donatello, Florence.

Altorf, or Altdorf, 1] cap. ⊙ Cant. Uri, Switz., 2,750 inh. Connected w. legnd. of Tell. 2] ⊙ Bav., 3,200 inh.

Altranstädt, villg. in Sax. Peace of, 24/9 1706.

Altrincham, ⊙ Chesh., 11,300 inh.

Altruism, the antithesis of Egoism.

Alum, ♃, earthy salt, sulphate of alumina, used in dyeing, to harden tallow, in ⚗, &c.

Alumbagh, palace nr. Lucknow, Oudh., Brit. Ind., ⚔ 1857.

Alumina, ♃ & ⊖, only known oxide of aluminium, existg. in nature as corundum, ruby, sapphire, & emery. Combined with silica forms clay basis of porcelain. Hydrated A., combind. with many veget. colours, forms fast dyes.

Aluminium, white malleab. metal; its alloy with copper makes aluminium bronze. Does not occur in nat. in metal. state, but as silicate in feldspar & some clays. Prepard. by heatg. aluminium chloride w. metal. sodium. Low specific gravity.

Alumnus, Lat. = scholar, pupil, one brought up.

Alunno (*Nic. di Libratore*), ⌕, Umbrian sch., * *ca.* 1430, † 1502 Foligno.

Alured, or Alred, Eng. ✍ ⁄, 12th cent., Canon of Beverley, Yorks. "Annals of A. of Beverley."

Alva, or Alba, Ferd. Alv. de Toledo, Duke of, * 1508, † 1582, Span. statesm. & ⚔; in Netherlds. 1567–73, & Port. 1580. Noted for cruelty.

Alvaredo, Pedro de, Span. explor., * 1495 Badajoz, † 1541 in Guatemala. Compan. of Cortes in conq. of Mex., 19. Conqd. Guatemala & Honduras.

Alvarez, 1] Jose, ⌕, * 23/4 1768, † 26/11 1827 Madrid. 2] Francis, Port. travelr., † 1540. 3] Juan, Mex. statesm., electd. presdt. 1855, but abdictd. same year.

Alvensleben, 1] Alb., Count, Pruss. statesm., * 1794, † 1858. 2] Gust. v., Pruss. ⚔, * 1803, led 4th Army Corps 70–71, † 30/6 81. 3] Const. v., Pruss. ⚔, * 1809, led 3rd Army Corps, 70–71, † 8/1 87.

Alveoli, the sockets of the teeth; the cells of a honeycomb.

Alwar, or Ulwar, semi-indpt. state of Rajputana, N. Ind., *ca.* 3,000 s.m., 780,000 inh.

Alyattes, king of Lydia, fathr. of Crœsus, † *ca.* 562 B.C.

Amabile, 𝔐, It. = tenderly.

Amadavat, an Ind. bird, *estrelda amandava.*

Amadeo, Giov Ant., ⌕ & △, * 1447, nr. Pavia, † 27/8 1552 Milan.

Amadeus, 1] Count I., of Savoy, livd. 11th cent. 2] A. V., Ct. of Savoy, the Grt., * 1249, succd. 85, † 1323. 3] A. VIII., Ct. of Savoy, * 1383, succd. 1398, became first Dk of Savoy 1410, abdic. 34, consec. Pope as Felix V., 35, † 51 Geneva. 4] A. Ferd. W., Dk. of Aosta, 2nd s. of kng. Victor Emmanuel II., * 30/5 1845, m. Maria de Cisterna, 67 († 76), held throne of Spain 16/11 70–11/2 73, when he ret. to Italy.

Amadis of Gaula, hero of chivl. romance, probly. written in Port. by Vasco de Lobeira, end of 14th cent.

Amadou, dried fungus, *boletus igniarius,* used as tinder.

Amalaric, last k. of Visigoths in Sp., † 531.

Amalasuntha, Q. of Ostrogoths, dau. of Theodoric the Grt., regent for her son Athalaric, murdrd. 534 by her husband Theodohad.

Amalfi, ⚓ ⊙, Gulf of Salerno, It., 5,000 inh.

Amalgam, ⚗, union of mets., one of wh. is always mercury. Tin A. usd. for silvg. mirrors.

Amalia, *v.* Amelia.

Amalric, *v.* Amaury.

Amand-les-Eaux, ⊙ Nord., Fr., 10,000 inh.

Amaracus, post. name of marjoram.

Amaranth, ✿, gen. of plnts. of nat. ord. *amaranthaceæ*, chfly. tropical, but incl. love-lies-bleeding.

Amarapura, ⊙ Burmah, formly, cap., on Irawaddi, temples; 28,000 inh.

Amarasinha, Sansc. gram. ✓, ca. 50 B.C.

Amardad, 5th mo. of Parsi year.

Amari, Michele, Ψ & philol. ✓, * 7/7 1806 Palermo.

Amaryllis, ✿, gen. of plnts. allid. to daffodil. In ord. lang., a rustic maid.

Amasia, ⊙ Turk. prov. Sivas, As. M., on Yeshil Irmak. Birthpl. of Strabo. Ruins. 26,000 inh.

Amasis, or Amosis, 1] I., kng. Egypt 1684–59 B.C. 2] II., kng. Egypt 570–26 B.C., friend of Polycrates.

Amat, weight, Dut. Ind. = *ca.* 275 lb.

Amati, fam. of violin makers at Cremona from 1560: esp. Nic., † 1684.

Amato, J. R., ✝ ✓, * 1511 in Port., † *ca.* 1561.

Amaurosis, ✝, loss of sight from paralysis of opt. nerve or retina; *gutta serena.*

Amaury, or Amalric I., kng. Jerusalem, 1162–72.

Amazirghi, or Berbers, orig. inhabs. of Morocco.

Amazon, Maranon, or Orellana, ⚓ equat. S. Amer., 4,700 m., tribs., Rio Negro, Japura, Madeira, &c., drains 2,500,000 s.m., falls into Atlant., discvd. 1499.

Amazons, Grk. myth., race of warlike women in As. M.; anothr. in Scythia; anothr. in N. Africa.

Amazon-stone, ◆, green feldspar, Colorado, Ural.

Ambala, *v.* Umballa.

Ambarcalia, anct. Rom. festiv. of Ceres.

Ambassador, dipl., high offcr. representg. one sovereign or state at court of anothr.; A. Extraord., one sent for special object.

Amber, ◆, Succinite, a fossil resin, prodct. of trees of tertiary period, Baltic, Maryland, &c. Usd. in jewel. & mnf. of varnish. Easily devels. electcity. by friction. Often encloses dead insects.

Amberg, Bav. ⊙, ⚒, 14,600 inh.

Amberg, W., Germ. genre ✿, * 25/2 1822.

Amberger, Christoph., ✿, * 1490 Nuremberg, † 1568 Augsburg.

Ambergris, solid grey inflam. subst., very light, fnd. floatg. off Bahamas, &c., supposd. to be secretn. of sperm whale. Perfume.

Amblyopia, weak sight.

Ambo, or Ambon, a reading-desk.

Amboise, Fr. ⊙ Indre-et-Loire, Castle. 4,600. inh.

Amboise, Geo., Card. d', Fr. statesm., * 1460, † 1510.

Amboyna, one of the Moluccas Isles, belong. to Holl. Spices. 50,000 inh.; cap. ⊙, A., 5,000 inh.

Ambracia, anct. ⊙, ⊙ Epirus, now Arta.

Ambros, A. W., ✝ ✓, * 17/11 1816, † 29/8 76, Vienna. "History of Music."

Ambrose, St., Bp. of Milan, ✝ ✓, * 340, † 397. Supposd. to have written *Te Deum.*

Ambrosia, Grk. myth., the food of the gods. Zeus anointed his hair with it.

Ambrosian Library, Milan, fnded. 1602 by Archbp. F. Borromeo, conts. 15,000 MSS.

Ambry, or Aumbry, a cupboard.

Ambulance, ✕, movable field hospital; in Eng. und. control of Army Service Corps.

Ambuscade, ✕, concealment.

Ameer, or Emir, Arab.=lord, title of rulers of Afghanistan, Bokhara, &c.

Amelia, 1] Anna, Dchss. Sax.-Weimar, • 24/10 1739, patr. literat., † 10/4 1807. 2] Marie A. F. Aug., Dchss. of Saxony, • 10/8 1794, † 18/9 1870; wrote as "A. Heiter."

Amelot de la Houssaye, A. N., Fr. pol. ✓, • 1634, † 1706.

Amen, Hebr.=firmness, truth; so be it.

Amende honorable, Fr., apology.

Amendment, ⚖, correctn. of an error in a writ; additn. to Bill in Parlt.

Amenemha, or Amenophis, III., kng. Egypt, 2221–2179 B.C. In Grk. Moeris: made lake of that name.

Amen-ra, *v.* Ammon.

A mensa et thoro, Lat.=from board & bed. ⚖, form of divorce, in wh. husband remains liable for wife's separ. maintenance.

Amenthes, Egypt. myth., Hades.

Amentum, ✱, a catkin; kind of inflorescence.

America, the contnt. of the New World, namd. after Amerigo Vespucci; 3 divs.: N. Amer., 7,400,000 s.m., 57,150,000 inh.; Cent. A., 164,000 s.m., 2,600,000 inh.; S. A., 6,500,000 s.m., 24,000,000 inh.; extrm. length, 9,600 m., N. & S. joind. by Isth. of Panama. ⛰s, Rocky, Sierra Nevada, Alleghanies, Sierra Madre, Andes, Brazilian; ▲s, Fairweather, Elias, Hooker, Brown, Fremont, Whitney, Black Dome, Orizaba, Popocatapetl, Colima, Antisana, Chimborazo, Cotapaxi, Aconcagua, Villarica, Itacolumi. ⚓s, Mackenzie, St. Lawrence, Hudson, Delaware, Mississippi, Rio Grande, Colorado, Columbia, Magdalena, Orinoco, Amazon, San Francisco, La Plata. *Lakes*, Gt. Bear, Gt. Slave, Athabasca, Wollaston, Manitoba, Winnipeg, Michigan, Superior, Huron, Erie, Ontario, Champlain, Gt. Salt, Nicaragua, Titicaca. *Isles*, Greenland, Newfoundland, Anticosti, Cape Breton, Bahamas, Bermudas, Jamaica, Cuba, the Antilles, Aleutians, Tierra del Fuego, Queen Charlotte, Vancouver, Galapagos, Melville, Banks. *States*, in N., U. S., Canada, Newfoundland, Mexico; in C., Guatemala, San Salvador, Honduras, Nicaragua, Costa Rica, Brit. Honduras; in S., New Granada (U.S. of Columbia), Venezuela, Brazil, Uruguay, Paraguay, Argentine Conf., Chili, Peru, Bolivia, Ecuador, & Brit., Fr., & Dutch Guiana; in isles Haiti & var. Europ. possessns. Peopled by Esquimaux, Ind., Europ., Negroes, Mulattos, Zambos. *Flora*, cotton, sugar-c., tobacco, agave, cactus, palms, cocoanuts, cocoa, mahogany, cinchona. *Fauna*, buffalo, arctic bear, grizzly bear, prairie wolf, racoon, wild cat, opossum, fox, jaguar, puma, ocelot, margay, lynx, beaver, musquash, hare, agouti, guinea-pig, tapir, llama, eagle, stork, colibri, alligator. *Discovery*, Scandinava. in Greenland in 10th cent.; Columbus discvd. Guanahani 12/10 1492, Cuba, Haiti, Antigua; Cabot discvd. Nfndld. 1497; Columbus on Orinoco 1498; Cabral in Brazil 1500; Cortes in Mexico 1520; Magaelhaens in Magellan Strait 1520; Pizarro in Peru 1526; Cartier in Canada 1533; Almagro in Chili, Davis in Greenland 1585; Baffin's voyage 1611; Schouten in Tierra del Fuego 1615; Humboldt in S. Amer. 1799–1803; Franklin's last voyage 45; Rae, M'Clure, Kane, M'Clintock, Hall's voyages to Polar Seas; Agassiz on the Amazon 65–66; Wheeler in Nevada & Arizona 68–76; Last Franklin search exped. 78–80 under Schwatka; Krause in Alaska 81–82; Toppen in S. Amer. 84. *Vide* under the separ. states, &c.

American Flag, the flag of U.S.A. consts. of 13 horizon. stripes alternately red & white, with as many white stars as there are states, on blue ground in the upper near quarter.

American Independence, War of, 19/4 1775–3/9 83. Declarat. of I., 4/6 1776.

Amerigo Vespucci, * 9/3 1451 Florence, 99 made first voyage to America, wh., in 1507, was first called after him, † 22/2 1512 Seville.

Amersfoort, ⊙ Holl., 18,704 inh.

Ames, 1] Joseph, Eng. Ψ /, * 23/1 1689, † 7/10 1759. "Typog. Antiqts." 2] Fisher, Amer. statesm. * 1758 Dedham, † 1808.

Amesbury, ⊙ Wilts., nr. Stonehenge, 1,600 inh.

Amethyst, ♦, var. quartz, bluish violet or purp., occurrg. in crystals & in veins. Colouring matter, oxide of manganese. Brazil, &c.

Amhara, cent. portion of Abyss., cap. ⊙, Gondar.

Amherst, dist. in Low. Burmah, 236,000 inh. Cap. ⊙, A., fnded. 1826, 3,500 inh.

Amherst, 1] Jeffry, Lord, Eng. genl., * 29/1 1717, † 3/8 97. 2] W. P., Earl of, his neph., dipl., * 1778, † 1857.

Amianthus, ♦, a var. of asbestos; fibrous chrysolite.

Amice, † vestmt., sq. lin. cloth tied round neck under alb by priest at mass.

Amici, Giov. Batt., It. ✱ & opt., * 25/3 1784, † 10/4 63. Dir. of Obs. at Florence.

Amicus Curiæ, Lat. = friend of the court; ⚖, an informal adviser on a point of law.

Amiens, ⊙ Somme, Fr., cathed. blt. 1220–88. Birthpl. of Peter the Hermit. Treaty of A. 25/3 1802. Captd. by Germ. 27/11 1870. Mnfs. cotton, velvet, &c. 74,000 inh.

Amiot, Joseph, Fr. mission. & ✱ /, * 1718 Toulon, † 1794 Pekin.

Ammanati, Bar., ♘ & ♙, * 1511, † 1592.

Ammianus Marcellinus, Lat. /, * Antioch, *ca.* 320.

Ammocœtes, gen. of *petromyzidæ* fishes, incl. mud-lamprey.

Ammon, or Amen-ra, anct. Egypt. deity, w. ram's head & human or cat's body. Local god of Thebes. identifd. by Grks. with Zeus.

Ammon, F. A. v., Germ. ⚳ /, * 10/9 1799, † 18/5 61.

Ammonia, ♃, NH_3, colourless pungt. gas with strong alkaline reaction, liquefa. at 15° under pressure of 7 atmospheres. Ammonia liquid is a solution in water, wh. dissolves 700 times its own weight of gas. A. is formd. by actn. of nascent hydrogen on dil. nitric ac.

Ammoniac, gum-ammoniac, resin of *ferula orientalis*, ⚳.

Ammonites, extinct gen. of molluscs, allied to *nautilus*, inhabd. a coild. chamberd. shell. Fossils found in secondary rocks.

Ammonium, ♃, basic radical of ammonium salts, contng. one more atom of hydrogen than ammonia. A. chloride, sal-ammoniac.

Ammonius Saccas, Grk. ⚹, fnded. Neo-Platonic School, † 241 Alexandria.

Amnesia, weakness of memory.

Amnion, physiol., innermn. membrane surroundg. fœtus.

Amœba, an animalcule of class *rhizopoda*, inhabtg. water; can change form of body at will. Multiplies by fission.

Amol, ⊙ Pers. nr. mth. of ⅄, Heraz; ruins; 40,000 inh.

Amomum, ✱, gen. of *zingiberaceæ*, incl. grains of paradise. Guinea.

Amoor, or Amur, large As. ⅄, formd. by confl. of Argun & Shilka. Length, 2,500 m., falls into G. of Tartary opp. Saghalien.

Amor, Rom. myth., s. of Mars & Venus, god of love.

Amoroso, ♥, It. = tenderly.

Amorphous, ♃ & ♦, having no crystalline form. In geol., unstratified.

Amos, Hebr. proph. /, 8th cent. B.C.

Amour, Fr. = love; love-affair, genlly. unlawful. *A. propre* = self-love, pride.

Amoy, ⚓ ⊙ Chin, on A, isle in Strait of Formosa Treaty port 250,000 inh

Ampère, 1] And M, math & phys ⁄, * 22/1 1755 Lyon, † 10/6 1836 Marseilles Fathr of the electro-dynamic theor 2] J J A, ♛ ⁄, * 1800, † 27/3 64 Pau

Ampère, meas of strength of an elect current

Ampersand, typog, the sign & for *and*

Ampfing, Bav villg on Iser, ⚔s 28/9 1322, 1/12 1800

Amphibia zool, class of vertebr anims, incl frogs & some extinct ords So called from their amphibious habits, genlly livg both on land & in water

Amphibolite, ⊕, hornblende

Amphibology, log, phrase susceptible of two interpretations

Amphibrachys, in verse a foot, ⏑–⏑

Amphictyonic Council, anct ♛ Grk council composd of deputs from ea. of 12 prin Hellen nations, assembled twice a year in Thermopylæ

Amphion, Grk myth, singer in Niobe

Amphioxus, the lancelet

Amphipolis, anct ⊙, ⊙ Macedon, ⚔ 422 B C

Amphisbæna, gen of serpents, Surinam, &c

Amphitheatre, ⚠, theatre entirely surround by seats the spectacle being in midd, *e g* Colosseum at Rome Gladiat. combats &c

Amphitrite, class myth goddess of the sea. In zool, gen of molluscs

Amphitryon, Grk myth, kng of Tiryns, betrayd by his wife

Amphora, anct 2 handled jar also a fluid meas Attic A contd *ca* 20 pts, Rom, *ca* 57 pts, in mod Venice, ⅚ qrts

Amplitude, ☀, angul distance of celest body from pnt of horizon where it rises or sets.

Ampulla, †, vessel to hold sacred oil

Ampurias, ⊙ Catalonia, Sp, anct ⊙, Emporium, now deserted

Amraoti, dist of E Berar, Ind, 547,000 inh, cap ⊙ A, 26,000 inh

Amritsar, or Umritsur, div of Punjab, B Ind, 2,750,000 inh, dist in same 835,000 inh, cap ⊙ A., 136,000 inh, grt trade

Amru. Ben Abul, Arab genl, conqrd Egypt 638–41, † 663

Amsdorf, Nic v, Germ Re former, * 1483, † 14/5 65

Amsterdam, cap ⊙ Netherlands, in prov of N Holland on ⚓ Amstel. Blt chfly on isles & piles, defended by sluices Large trade Diamond cuttg 210,000 inh Statue of Rembrandt, palace, observatory Burnt 1421

Amu-Daria, Gihon, Oxus, ⚓, rises in Pamir & flows into Sea of Aral formly into Casp Sea.

Amulet, orig chain hung rnd neck as a charm, any charm

Amurath, ≈ Murad

Amusette, obsol ⚔, small field gun

Amygdalus, ✿ gen. incl almond peach Amygdalic acid, from bitter almond

Amyl, ⚗ (C_5H_{11}), a monatom alcoholic radical, called Quintyl

Amylaceous, starchy

Amyot, Jacq, Fr ⁄ & †, * 1514 Melun, † 1593

Ana, Lat neut pl adjectival termination meaning matters pertaining to ⚕ the like quantity

Anabaptist, †, orig a follower of Munzer one holding the necessity of a second baptism

Anabas, gen of tree climbing fish, ord *acanthopterii*

Anabasis, Grk =ascent title of Xenophon's story of the exped of Cyrus agst Artaxerxes, 401 B C

Anacamptic, reflected

Anacardiaceæ, ✿, nat ord of resinous plts, incl terebinths.

Anacardium, ✿, typ plnt. of ord *anacardiaceæ*, the cashew

Anacharis, ✿, gen of water plnts nat ord *hydrocharideæ*, troublesome in Eng ⚓s

Anacharsis, Scyth. ⁂, livd. *ca.* 600 B.C. Athens.

Anachronism, an error of chronological consistency.

Anacletus, 1] I., Papal pretender, 79–91. 2] II., 1130–38.

Anaconda, the snake *eunectus murinus,* Ceylon.

Anacreon, Grk. lyr. ⁄, * Teos, *ca.* 530 B.C.

Anadir, ⁂ E. Siber., rises in Polar regions, flows 500 m. to Gulf of A., sea of Kamschatka.

Anæmia, ✱, poverty of blood, deficiency of red corpuscules.

Anæsthesia, ✱, nat. or artif. insensibility of feeling.

Anæsthetic, subst., as chloroform, producing insensibility.

Anagallis, ✱, gen. of *primulaceæ,* incl. pimpernel.

Anagni, episcp. ⊙ Campagna, 6,000 inh.

Anagram, a new word or phrase framed out of the letters of an old by rearrangement.

Analects, ⁄ selections.

Analeptic, ✱, tonic, restorative.

Analogy, math. & log., similarity of two relations.

Analysis, ⚗, process of determining the constit. of a compnd. substance. Qualitative A. dets. what kind. Quantitative A. dets. what proportion. In gram., div. of a sentence into subject, predicate, &c.

Anamirta, ✱, gen. of *menispermaceæ,* incl. *cocculus indicus.*

Ananassa, ✱, ananas, pineapple, a gen. of *bromeliaceæ.*

Anandrous, ✱, destitute of stamens.

Anapa, Russ. ⊕ Kuban, Black Sea, 5,600 inh.

Anapæst, in class. poet., a foot: ⏑ ⏑ —.

Anarchy, subversion of social & polit. order.

Anas, the duck, typ. gen. of *anatidæ.*

Anastasius, 1] I., Emp. of Byzant., 492–518. 2] II., Emp. of Byzant., 713–719. 3] Name of 4 Popes.

Anastatica, ✱, ord. *cruciferæ,* rose of Jericho.

Anathema, origlly. sacred: now extreme form of ✝ denunciation.

Anatolia, Anadoli, Turk. prov. on S. shore of Black Sea. Roughly synon. w. Asia Min. (*q.v.*).

Anatomy, science treatg. of the structure of an organism as learnt by dissection.

Anaxagoras, Grk. ⁂ of Ionic sch., * 500 B.C. Clazomenæ, † 428 Lampsacus.

Anaximander, Grk. geog. & ✱ of Ionic sch., * 610 B.C. Miletus, † 547.

Anaximenes, Grk. ⁂ of Ionic sch., *ca.* 544 B.C.

Anaya y Maldonado, D., Sp. ✝ & diplt., * 1360, † 1440.

Ancelot, J. A. F. P., Fr. ✆ ⁄, * 1794, † 1854.

Anchises, class. myth., father by Venus of Æneas: blind.

Anchor, ⚓ instr. genlly. with 2 or more arms for holding a vessel at sea by means of a chain to the bottom. Bower A., carried at bow. Sheet A., one "shot" or thrown out in rough weather. Emblemlly., sign of hope.

Anchorite, ✝, one who lives retird. & solitary.

Anchovy, a fish, *engraulis encrasicolus* of *clupeidæ* or herring fam., 4 or 5 in. long, Mediterr. Eaten salted, as a relish.

Anchylosis, ✱, stiff joint.

Ancillaria, gen. of univalve marine shells.

Ancillon, 1] D., Fr. Prot. ✝, * 17/3 1617, † 3/9 1692. 2] His son, Charles, ⁂ & misc. ⁄, * 28/7 1659, † 5/7 1715. 3] J. P. F., Germ. ⁄, * 1766, † 1837.

Ankarström, Joh. Jac. v., murder. of Gust. III. of Swed., * 1762, executd. 27/4 96.

Anklam, or Anklam, ⊙ Pomerania, on Peene, 13,000 inh.

Ancona, prov. of Italy, on Adriatic, 270,000 inh. Cap. ⊙ A., 46,000 inh.

Ancre, Baron de Lussigny, Marsh. d', fav. of Marie de' Medici, killed 24/4 1617. Propr. name, Concini.

Ancus Martius, myth. 4th kng. of Rome, *ca.* 640–14 B.C.

Ancyra, anct. ⊙, Angora.

Andalusia, most S. pt. of Sp., anctly. incld. kngdms. of Seville, Cordova, Jaen, & Granada; now incls. provs. of Seville, Huelva, Cadiz, Jaen, Cordova, Granada, Almeira, & Malaga. ⛰ Sierra Morena. ⚓ Guadalquivir. 3,300,000 inh.

Andaman Isles, B. of Bengal, Ind., penal settlemt. Cap. ⊙, Port Blair, S. And. Assassntn. of Earl of Mayo, Gov. Gen. of Ind., 8/2 1872.

Andante, 𝄴, Ital., slow & graceful.

Anderledy, Ant., • 3/6 1819 Brieg, 84 Genl. of Jesuits.

Anderloni, P., engravr., • 13/10 1784 Brescia, † 13/10 1849

Andermatt, villg, Uri, Switz., 800 inh.

Andernach, ⊙ Rhen. Pruss., 5,700 inh. Anctly., Antunacum.

Andersen, Hans Christ., Dan poet. & fairy ✓, • 2/4 1805 Odense, † 6/8 75 Copenhagen.

Anderson, 1] Adam, Ψ ✓, • 1692 Scotld., † 10/1 1765. 2] Alex., Scot. math. ✓, 17th cent 3] Sir Edm., ⚒ ✓, † 1/7 1605. 4] James, Scot. Ψ ✓ & ⚒, • 5/7 1662 Edinb., † 3/4 1728. 5] Dr. James, Scot. ✓ & pol. ✓, • 1739, Editd. *Bee* 1791–4, origtd. many theories subseqtly. elaborated by Malthus, † 15/10 1808. 6] Dr. Elizabeth Garrett-A., • 1837 Lond., *née* Garrett, m. 9/2 71, in practice in London. ✓.

Andersen, Ad., chessplayer, • 6/7 1818 Breslau, † 4/3 79.

Andersson, Kar. Jos., Swed. Afr. travlr., discvd. Okawango 1859, † 5/7 67.

Andes, grt. ⛰ on W. side of S. America, extendg. almost whole length of contnt. Highest ⚓s. Aconcagua, 23,290 ft., Gualtieri, 22,000, Chimborazo, 21,420. Fifty volcs.; subjt. to earthqks. Gold, silver, prec. stones. Sources of ⚓s Amazon & La Plata. Also called Cordilleras.

Andocides, Athen. orator, *ca.* 400 B.C.

Andorra, or Andorre, sm. semi-indpt. repub. in Pyrenees ⛰, betw. Lerida & Arriège, 600 s.m., 10,000 inh. Fnded. by Charlemagne 778. Pays tribte. to France & to Bp. of Urgel. Cap. ⊙, A.

Andover, 1] ⊙ Hants, 5,650 inh. 2] ⊙ Mass. U.S.A., theol. seminary.

Andrada e Silva, J. B., Braz. statesm. & patr., • 1765, † 1838. ✓.

Andradite, ◆, chrome garnet.

Andral, Gabr., ✓, • 6/11 1797 Paris, † 13/2 76, ✓.

Andrassy, Jul., Count, Aust.-Hung. statesm., • 8/3 1823, took part in rev. 48, cond. to death 50, pardoned 60. Hung. prem. 67, A.-H. foreign min. 71–79.

André, 1] Maj. John, • 1751. Eng. offcr. executed as spy by Washington at Tappan 2/10 1780. 2] John, 𝄴, • 28/3 1741, † 18/6 99. 3] His son, J. Ant., 𝄴, • 6/10 1775, † 6/4 1842 ✓. 4] Y. M., Fr. ⚗, • 1675, † 1764.

Andrea, Jac., ✝, • 1528, † 7/1 90. ✓.

Andrea Pisano, It. ⚒, • 1270, † 1345.

Andrea Vanucchi, or d'Agnola, (del Sarto), ⚉, • 1488 Florence, pup. of P. Cosimo, † 22/1 1530 of plague, Florence.

Andrée, 1] Carl, ⊖, • 20/10 1808 Brunswick, † 75. ✓. 2] Rich., • 26/2 35, ⊙ ✓ & travlr.

Andreossi, Count, Fr. ⚔ & dipl., • 1761 Castelnaudry, † 1828 Montauban. ✓

Andressen, Gust., Germ. philol., • 1/6 1813.

Andrew, St., the Apost., festiv. 30/11

Andrew, 1] II., kng. Hung., 1205–35: conced. Chart. of Golden Bull. 2] A. Yurewich, Russ. Pr., • 1110, † 1174.

Andrewes, Lancelot, ✝, Bp Winchester, • 1555, † 1626. ✓.

Andria, cathed. ⊙ Terra di Bari, It. Caverns. 35,000 inh.

Andrieux, F. G. J. S., Fr. ✓, * 1759, † 1833.

Androclus, accordg. to A. Gellius, Rom. slave who made friends with a lion by extractg. a thorn for it.

Andromache, Grk. myth., wife of Hector.

Andromeda, Grk. myth., dau. of Cepheus, & w. of Perseus, who saved her from a sea-monster. ✶, a constelltn. below Cassiopeia, contg. 1 star of 1st, 1 of 2nd, 3 of 3rd, 7 of 4th, & 13 others. ✿, gen. of heath-worts.

Andronicus Comnenus, Emp. of Byzant., killed 1185.

Andronicus of Cyrrhus, Grk. ✶, *ca.* 100 B.C.

Andronicus Palæologus, co-Emp. of Byzant., 1273–82, Emp. till 1328, † 1332.

Andropogon, ✿, gen. of *gramineæ*, incl. sorghum.

Andros isle, Grk. Archipelago, 20,000 inh.

Andros, Sir Edm., * 1637 London, Govr. of N. York 74–83, of Virginia 92–98, † 1713.

Andujar, ⊙ Andalusia, Sp., 15,000 inh.

Anemometer, instr. for measg. force of wind.

Anemone, ✿, gen. of *ranunculaceæ*. *A. nemorosa*, wood anemone. Zool., the Sea-A., *a. mesembryanthemum*.

Anerio, Tel., & G. F., ♫s, 16th cent., Rome.

Aneroid, liquidless. A. barometer measures press. of atmosph. by its effect on an elast. metal box or spring.

Aneurism, ✚, in an artery, a pulsating tumour wh. bursts with danger. effusion of blood.

Angel, anct. Eng. gold coin, Henry VI. = 6s. 8d., Eliz. = 10s.

Angel-fish, ichth., a fish of shark fam., monk-fish.

Angeli, Heinr. v., portr. ●, * 8/7 1840 Oldenburg.

Angelica, ✿, arom. plnt. of ord. *umbelliferæ*, used as flavourg.

Angelio, or Delli Angeli, P., It. ✓, * 1517, † 96.

Angelo, *v.* Michael Angelo & Caravaggio.

Angelus, R. Cath. ✝, a prayer to the Virgin instd. by Urban II., & recited 3 times a day at sound of a bell called *A.*

Angelus Silesius (J. Scheffler), sacr. poet. ✓, * 1624 Breslau, † 9/7 77.

Angely, Louis, ♀ & ♀ ✓, * 1/2 1787 Leipzig, † 16/11 35.

Angers, episc. ⊙ & cap. Maine-et-Loire, Fr., slate quarries. 65,000 inh., ⚔ 18/9 1793.

Angerstein, J. J., collectr. of ●s, * 1735 Petersburg, † 1822 Lond.

Angevins, or Plantagenets, The; descndts. of Mathilda, dau. of Henry I. of Eng., & Geoffrey V., Count of Anjou. Family supplied 8 Eng. kings, 1154–1399.

Angilbert, St., schol. at court of Charlemagne, † 814.

Angina, Lat. = a contractn., ✚, inflam. disease of throat, &c. *A. pectoris*, nerv. affectn. in reg. of heart.

Angiosperms, ✿, plnts. whose seeds are incld. in a seed-vessel.

Angle, geom., inclintn. of two lines to one another. Rt. A., formd. on eith. side of a perpendicular. Obtuse A., grter. than rt. A.; acute A. less than rt. A. Rt. A. is subtended by arc of 90 degrees (90°), or, in Fr., 100 grades.

Angler-fish, ichth., *lophius piscatorius*, sea-devil.

Anglesey, island co. of Wales, anct. ⊖ Mona, 193,511 acres, 52,000 inh., cap. ⊙ Beaumaris. Anct. chf. seat of Druidism. Rets. 1 M.P.

Anglesey, Marq. of, *v.* Paget. Earl of, *v.* Annesley.

Angli, Ind. meas. of length = ¼ in.

Angli, or Angles, Germ. tribe, anctly. in N. Schleswig, invded. Brit. 5th & 6th cents., & estabd.

Anglo-Sax. kngdms in conjunctn with Saxons from Holstein

Anglican Church, or Ch of Engld, fnded. by the Act of Supremacy of Henry VIII 1534, as a Protestant State Church not recogng papal authority

Anglo-Saxon, lang & lit, branch of low Germ, plnted in Eng in 5th cent. /s, Epic of Beowulf, Legends of Kynewulf, &c

Anglo-Saxon Chronicle, anct annals, endg 1154, of grt ♛ importance

Anglo-Saxons, people, descendts of Angli, Saxons, Jutes, &c, invd. Engl 449 und Hengist & Horsa, & fnded several kngdms, which were united by Egbert, k. of Wessex, 827 The A-S monarch final overthrown, ⚔ Hastings, 1066

Angola, Port possn on W coast of Afr Nat name Dongo 115,100 s m, 1,000,000 inh Cap ⊙, S Paul de Loanda

Angora, anct ⊙ Ancyra, cap ⊙ of vilayet of A in As Turk † Councils 314, 358 Famous for goats 36,000 inh ⚔ 20/7 1042

Angora Goat, long-haird. goat reared nr A

Angostura, ⊙ Venezuela, on Orinoco, 8,000 inh A. bark, ℞, febrifuge, bark of a S Amer rutaceous plnt

Angoulême, cathed ⊙ Charente, Fr, birthpl of Marg of Navarre Mnfs earthenw, serge 32,000 inh

Angoulême, 1] C de Valois, Dk of, nat. s of Charles IX of Fr, ⚔ & /, * 28/4 1573, † 24/9 1650 Paris 2] Louis Ant, Dk of, s of Char X of Fr, * 1775, marr 99 dau of Louis XVI, commanded in Sp 1823, † 3/6 44 Prince of Trocadero 3] Maria T C, Duchess of, dau of Louis XVI, * 1778, m 2 in 99, † 1851

Angra, cap ⊙ Terceira, Azores, 15 000 inh

Angra Pequeña, Germ colony under Imp protectn, in S W Afr Protect proclaimed 23/6 1884

Anguilla, zool., gen. of *murenidæ*, eels

Anguisciola, Sofonisba, It ⊙, * 1535 Cremona, † 1620 Genoa

Anhalt, Germ. duchy, divd. into 3 pts, Dessau, Kothen, & Bernberg, 907 s m, 283,000 inh Cap ⊙, Dessau. Prince, Duke Frederick, * 29/4 1831, suc 22/5 1871 Revenue *ca* £945,000; expend *ca* £945,000

Anhima, ornith, the Braz horned-screamer, *palamedea cornuta*.

Anhydrous, ⚗, free from water

Anicet-Bourgeois, Aug, Fr ✪ /, * 25/12 1806, † 18/1 71

Aniello, Tommaso, t Masaniello

Anil, indigo

Aniline, ⚗, $C_6H_5NH_2$, a prodct. of coal-tar, also produced by treatg nitro-benzine w iron turnings & acetic ac Various ⚗ re-agnts prod. w aniline, aniline dyes of all cols

Animalcule, zool, microscopic animal in water & decomposg bodies Many vars, incl *infusoria*

Animal Kingdom, nat. hist, is divd int. vertebrates & invertebrates Vertebrata incl sub-kingdoms *mammalia*, *aves*, *reptilia*, *amphibia*, & *pisces* Invertebrata incl sub kingdms *protozoa*, *cœlenterata*, *annuloida*, *annulosa*, & *mollusca*

Animal Magnetism, mesmerism.

Animato, ♪ = It., with animation

Anio, ♁ It, affint of Tiber Falls.

Anise, ℞, plnt of ord *umbelliferæ*. Spain, &c. Seed used in ℞, *pimpinella anisum*

Anitchkoff, D S, Russ math. & metaph /, * 1740, † 1788

Anjou, anct prov of Fr, nrly equiv to Maine-et-Loire

Anjou, Ct of, Charles, king of Naples, 4th s. of Louis VIII. of Fr., * 1210, † 1285 Foggia.

Anker, wine meas, Eng. 65, Holl 81, Russ 54, Sax. 53, Hanov. 57, Oldenb. 55, Den. 56, Cape Col. 55 pints nearly.

Anna, coin in Brit Ind =1½d.

Annaberg, ⊙ Sax., 13,000 inh.

Anna Comnena, d. of Alexis I., k. of Byzant., * 1083, † 1148. ✍ ✓.

Annales, in Rom. ✍, yearly records drawn up by the Pontifex Maximus.

Annam, country of As. in furthr. India, until lately feudat of China. Area 200,000 s.m., 12,000,000 inh. Cap. ⊙, Hue. Relig., Buddhist. Prod., wood, ivory, rice, sugar, pepper. 1862–7 S. portion annexed by France; 83–4 intern. discords, war with Fran. Fr. protectorate.

Annamaboe, Brit. ⚓ on Gold Coast, W. Afr, 4,500 inh.

Annan, ⊙ Dumfriessh., Scot., on Annan, 3,380 inh.

Annapolis, 1] cap. ⊙ Maryland, U.S.A., on Severn, nr. Chesapeake Bay. 2] ⚓ ⊙ Nova Scotia.

Annates, first-fruits

Annatto, or Arnotto, yell. colorg. matter from seeds of *bixa orellana*, used for colorg. butter & in dyeing.

Anne, St., mothr. of the Virgin Mary; fest 26/7.

Anne, 1] Q. of Gt Brit, dau. James II., * 6/2 1664, m 83 George of Denmark, succd. 1702, † 12/8 1714; had 11 child., all predecd. her. 2] A. Boleyn, 2 w. of Henry VIII., * 1507, m. 33, 7/9 33 moth. of Q. Elizabeth, executed 19/5 36. 3] A. of Aust., dau. of Philip III. of Sp., * 1601, m. Louis XIV. of Fr. 15, entrd. nunnery 61, † 20/1 66. 4] A. Ivanovna, Emp. of Russ., * 1693, succd. 1730, † 28/10 40. 5] A. Carlovna, Press. of Mecklenb., * 1718, Regt. of Russ. 40, † 18/8 46 in prison. 6] A. of Bohemia, * 1367, m. Rich. II. of Eng 80, † 94. 7] A. of Cleves, * 1516, m. Henry VIII. of Eng., † 57. 8] A. of Denmark, * 1574, m. James VI. of Scot., 89, † 1619. 9] A. of Warwick, * 1454, m. Rich. III. of Eng., † 85.

Annealing, method of deprivg. glass & met. of brittleness by allowing them to cool slowly.

Annecy, episc. ⊙ Savoie, Fr. 1,456 ft. above sea, 7,000 inh.

Annelida, zool., class of *annulosa*, incl. leeches, worms; possg. no hearts & pseudo-hæmal system.

Annesley, Arth, Earl of Anglesea, statesm., * 1614 Dublin, † 86. ✓.

Annius of Viterbo (Giov. Nanni), credulous ✍ ✓, * 1432, † 1502 ✝.

Anno, or Hanno, Archbp. of Cologne 1055, † 4/12 75.

Anno, Lat. = in the year. *A. Domini*, or A.D., in the year of the Lord (Jesus Christ). *A Mundi*, or A.M., in the year of the world. *A. ætatis*, in the year of one's age.

Annual, ✍, enduring only one year.

Annuity, sum payable periodically for life or lives.

Annular, like a ring. ✳, A. eclipse one in which the whole of the moon is seen on the sun's disc, with a ring of sun around it

Annuloida, zool., sub-kingdom of *invertebrata*, incl. tapeworms, wheel animalcules.

Annulosa, zool., sub-kingdom of *invertebrata*, incl. earthworms, lobsters, all insects. Bodies consist of segments or rings.

Annunciation, Feast of the, Lady Day. Christ. fest., 25/3.

Anodyne, ✍, intern. remedy for relief of pain, *e.g.* opium.

Anointing, cerem. of pourg. oil on the person, practisd. at coronations & in Rom. Cath. ✝ in Extreme Unction.

Anolis, zool., gen. of saurians, of fam. *iguanida*, Amer. & W. Indies.

Anonaceæ, ✍, nat. ord. of trop. plnts, incl. custard-apple.

Anorexia, loss of appetite.

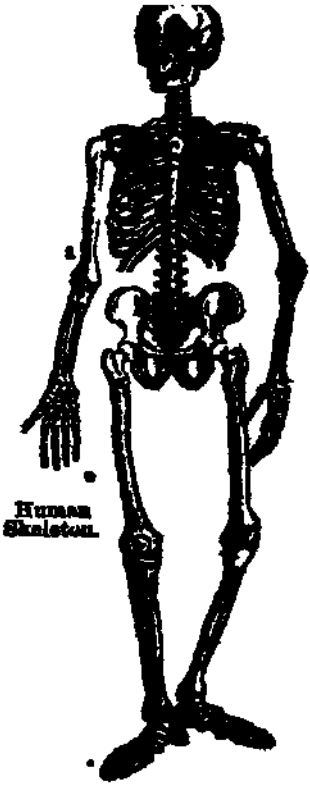
Anosmia, loss of sense of smell.

Anquetil, A. H., Fr. oriental ✓, * 1731, † 1805.

Anschütz, 1] H.E.*, ☉, * 8/2 1765. † 29/12 65 Vienna. 2] His son, Rod., ☉, * 24/7 1818 Vienna.

Ansdell, Rich., R.A., Eng anim. ✍, * *ca.* 1815 Liverpool, † 20/4 84.

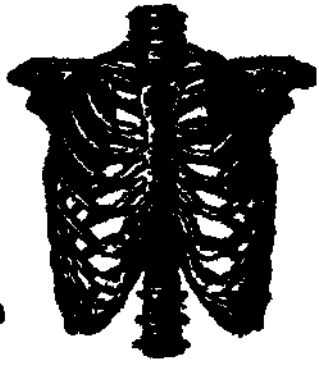
Bones of the Pelvis



Human Skeleton.

Bones of the Arm and Hand.

Bones of the Leg and Foot.

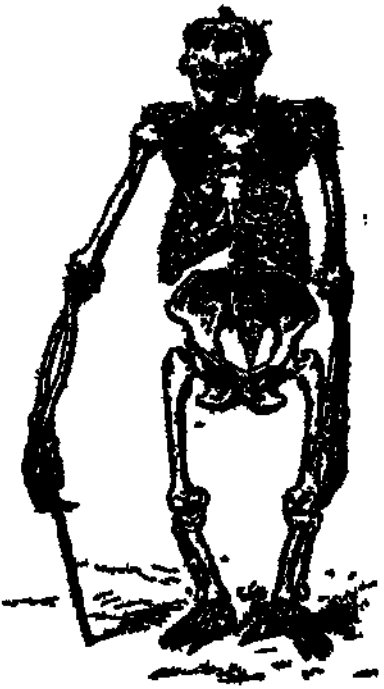


Bones of the Thorax.

ANATOMY.

Skull of Polecat.

Foot of Bear.



Skeleton of Gorilla.

Skeleton of Lion.

Anselm, St., Archbp. Canterb., * 1033 Aosta, † 2/4 1109 Canterbury. ⚓ & † /.

Anser, zool., gen. of birds, incl. goose.

Ansgar, St., Apostle of the N., * 801 Picardy, Bp. of Hamburg 831, of Bremen 847, † 865. Fest. 3/2.

Anson, Geo., Lord, Brit. ⚓ commander & adml., * 1697 Shuckborough, † 6/6 1762 Moor Park. / "Voyage Round the World."

Anspach, or Ansbach, dist. contg. 300,000 inh., incld. in Bav., but once a portion of old principality of A.-Baireuth in S. Franconia. Given by Napol. to Bavaria 10/4 1810. Cap. ⊙ of same name, 20,000 inh.

Ansted, Dav. Thos., ⚒, * 1814 London, † 20/5 80 /.

Anster, Dr. John, Ir. poet. /, * 1793, translated *Faust* 1835, † 9/6 67.

Anstey, Christopher, poet. /, * 31/10 1724, † 1803. "Bath Guide."

Ant, zool., *formica*, insect of ord. *hymenoptera*, lives in earth community, & consists of males, females, & neuters, the last being workers & soldiers. White A. belongs to ord. *neuroptera*.

Ant-bear, zool., *myrmecophaga jubata*, of Demerara, *v.* next art.

Ant-eater, *myrmecophaga*, gen. of mammals of ord. *edentata*, S. Afr., &c., lives chiefly on white ants or termites.

Ant-lion, gen. of insects of ord. *neuroptera*, wh., as *larvæ*, form pitfalls, and in them catch ants. India.

Antæus, Grk. myth., giant wrestler vanquished by Hercules.

Antalkali, ✱, corrective of alkaline condition of the system.

Antananarivo, cap. ⊙ Madagascar, 80,000 inh.

Antara, or Antar, Arab. poet / & ✕, 6th cent.

Antarctic Ocean, sea surrounding S. Pole, vy. little explord.

Antarctic Zone, ⊙, that part of earth within the antarct. circle, a circle parallel to equator & 23° 28′ from S. Pole; chiefly sea.

Ante, Lat. = before. *A. bellum*, before the war. *A. meridiem*, before noon.

Antecedent, gram., noun to wh. a relative refers. Log., the first of two props. in an *enthymeme*. Math., the first of two terms in a *ratio*.

Antelope, zool., large gen. of ruminating animals, with hollow horns, includg. gnu, gazelle: Afr. Only Europ. species, chamois.

Antennæ, jointed feelers possessed by insects & *crustaceæ*.

Antennaria, ✱, everlasting flowers.

Antepenultimate, last but two.

Antequera, ⊙ Malaga, Sp., 23,000 inh., ruins.

Anthelion, an optical phen.; mock sun.

Anthelmintic, ✱, destroying worms.

Anthem, ♪, composition for voices, w. or without accomp., with sacr. words.

Anthemis, ✱, gen. of plnts., incldg. camomile.

Anther, ✱, the upper part of the stamen, *i.e.* the pollen case of a flower.

Antheræa, gen. of moths wh. furnish Tussore silk.

Anthology, collectn. of choice / extracts. The Grk. A., collectn. of about 4,500 pieces of fug. poetry.

Anthomyia, gen. of flies, incl. cabbage-fly.

Anthon, Dr. Chas., Amer. class. schol., * 1797 N. York, † 29/7 67.

Anthony, 1] Hy. B., Amer. jour. / & polit., * 1/4 1815 Rhode I. † 2/9 84. 2] Susan B., Amer. adv. of Wom. Rights, * 15/2 1820 Mass. /

Anthony, *v.* Antony.

Anthoxanthum, ✱, gen. of grass, incldg. sweet vernal grass.

Anthracite, or Culm, ⚒, hard mineralised coal contg. 90% of carbon. S. Wales coal-fields, &c.

Anthrax, 1] ✱, a carbuncular

disease, specially affecting cattle 2] Entom, a genus of insects of fam *bombylidæ*

Anthropology, the nat hist of the human race in its relations

Anthropomorphism, representation of Divinity in human form, also representation of pseudo-human form in animals, as in apes

Anthropophagi, cannibals

Anthus, zool, gen of birds, incl pipits or titlarks

Anthyllis, ✿, gen of *fabaceæ*, incldg lady's fingers

Antiaris, ✿, upas tree, ord *artocarpaceæ*

Antibacchius, foot in class verse – – ⏑

Antibes (anct Antipolis), Fr ⊕ on Medit, 7,000 inh

Antichrist, Christ ✝, the devil, or any grt opponent of religion, *e g* Antiochus IV, Nero Any embodiment of anti Christianity

Anti-Corn Law League, assocn to oppose the corn duties in Engld, fnded Manchester, 18/9 1838 by Cobden & Bright, attaind its object 26/6 1846, dissolved 2/7

Anticosti, Brit isle in G of S Lawrence discovd 1534 by Cartier Belongs to Newfoundland Almost uninhabited

Antidote, ✝, med to counteract a poison

Antietam, nr Washington, ⚔ 17/9 1862 indecisive

Antigone, Grk myth, dau of Œdipus, impersonates filial duty

Antigonus, 1] genl of Alex the Grt succd him over Phrygia, Lydia & Pamphylia called Cyclops * 382 B C, † 301 at ⚔ Issus 2] A Gonatas kng of Macedon 276–40 B C 3] A Doson, kng of Macedon 229–21

Antigua, Brit isl in Carib Sea, chf of Leeward Isles 108 s m 35,000 inh, cap ⊙, St John, 18 700 inh Discovd by Columbus 1493 British since 1668

Anti-Jacobin, polit magazine, pub Nov 1797–July 98, & ed by W Gifford Subs cont till 1818

Antilebanon, Syr ⛰ E of Lebanon ▲ Hermon 9,850 ft

Antilegomena, anct Christ †, books of N Test not then consid canonical yet read, *e g* Epist to Hebrews

Antilles, all the W Ind Isles exc Bahamas Grter A incld Cuba, Jamaica, Haiti, & P Rico, Lesser A incld S Thomas S Croix, S John Montserrat, Antigua, Guadeloupe, Dominica Martinique S Vincent, Barbadoes, Tobago, Grenada, Trinidad, &c

Antimachus, Grk epic ✓, 5th cent B C

Antimonial Wine, ✝, tartarated antimony in sherry

Antimony, ♃ & ⊕ bluish white crystalline metal, vy brittle melts w heat & burns w white flame & dense fumes Used for hardeng other metals Compnds of A are irrit poisons Used in ✝

Antinomian, opposd to law †, holds that believers may sin with impunity

Antinori, Orazio, It traveler, * 28/5 1811, † in Afr 58

Antinous, favrite of Emp Hadrian drowned in Nile 130

Antioch, anct ⊙ distr of Aleppo Syr now Antakieh, ruins 6,000 inh Fnded 301 B C, once contnd 500 000 inh

Antiochus, name of many Syr kings of the Seleucidæ dyn 1] A III the Grt 224 B C overthrown by Rome 187 2] A IV (Epiphanes) 175 63 persecuted the Jews

Antiparos, isl of the Cyclades, Grk Archip 500 inh, stalactites

Antipater, regent of Maced durg Alex the Gt s Assyr expedtn 334 B C, and subseq kng of Maced & Greece † 319

Antiphanes, Grk comed ✓, † ca 405 B C

Antiphlogistic ✝, warding off inflammation

Antiphon, Athen orat, * 480 B C, † 411

Antiphony, ♫ altern singing by two sides of a chorus

Antipodes, ⊕, points diametrically opposite to one another on earth's surface, *e.g.* London & N. Zealand, Lima & Siam.

Anti-pope, a spurious p. elected by a king & not by the cardinals. There have been 24.

Antirrhinum, ✿, snapdragon, gen. of ord. *scrophulariaceæ.*

Antisana, ▲ nr. Quito, S. Amer., 19,250 ft.

Antiscorbutic, ℞, curing or preventing scurvy.

Antiseptic, ⚗ & ℞, subst. wh. prevents or arrests putrefaction.

Antispasmodic, ℞, curing or preventg. spasm.

Antispast, foot in class. verse, ⏑ – – ⏑.

Antisthenes, Grk. ⚓, fnder. of Cynic schl., liv g. 426 B.C.

Antistrophe, gram., inverted construction. In lyric poetry, stanza alternating with the strophe.

Antithesis, rhet., startling contrast of expression.

Antium, anct. ⊖, ⊙ now Porto d'Anzio, *ca.* 33 m. S. of Rome, birthpl. of Caligula & Nero, 500 inh.

Antivari, ⚓ ⊙ Montenegro, on Adriatic, 3,000 inh.

Antlia, the spiral proboscis of *lepidoptera.*

Antomarchi, Fran., * 1780 Corsica, † 3/4 38 Cuba. Napoleon's ℞ at S. Helena.

Antonelli, Giac., Card., statesm., * 2/4 1806, Minist. of Pius IX. 47, † 6/11 76.

Antonello da Messina, ⊖, † *ca.* 1490 Venice.

Antoninus, *v.* Marcus Aurelius.

Antoninus Pius, Rom. Emp., 138–161.

Antoninus, Wall of, made by Roms. *ca.* 140 from ⚓ Clyde to Avon. Now Grimes Dyke.

Antonio s. of Don Luiz, Port. pretender, 1580, † 26/8 1595.

Antonius, Marcus, Rom. statesman, * 83 B.C. Tribune 50, Consul with Cæsar 44, whom he caused to be murdered, deftd. at Mutina 43, triumv. w. Octavius & Lepidus, received governmt. of Egypt, lovd. Cleopatra, deftd. at Actium 31, † by suic. 30 Egypt.

Antonomasia, rhet., substitn. of epithet for name.

Antony, 1] Clem. Theod., kng. of Sax., 1827–36. 2] A. Ulrich, Dk. of Brunswick, dram. ✓, * 1633, † 1714.

Antony, 1] St., the Grt., father of monachism, * 251 Koma, † 356. St. A.'s Fire, ℞, erysipelas. 2] A. of Padua, St., * 1195 Lisbon, † 13/6 1231. Patron of animals.

Antrim, marit. co., prov. Ulster, Ireland, linen mnf., 1,164 s.m., 423,200 inh. Its cap. ⊙, of sm. name, nr. L. Neagh, 2,000 inh. Co. rets. 4 membs. Parlt.: N., S., E., Mid.

Antwerp (Anvers), in prov. of sm. name, chf. commer. ⚓ ⊙ Belgium, on Scheldt, expts. flax, wool, sugar, glass; diamd. cuttng. Cathed. finished 1518; Church of S. James. Occupied by Fr. 1794–1814, united to Holl. 1815, annexed to Belg. 1832, ⊕, 195,000 inh.

Anu, Assyr. myth., deity of heaven, Zeus.

Anubis, Egypt. myth., deity w. head of jackal & hum. body, corresponds to Hermes & Mercury.

Anville, J. B. B. d'., Fr. ⊖, * 1697, † 1782. ✓.

Anwari (Awhad-el-deen A.), Pers. poet. ✓, 12th cent. "Diwan."

Anzengruber, Louis, Austr. popul. ✓, * 29/11 1839.

Aonian, pertaing. to the Muses.

Aorist, Grk. gram., tense expressg. indefinite date.

Aorta, large blood-vessel, main trunk of arterial system in animals; flows upwards from left ventricle of heart, & then downwards to lowr. part of abdomen.

Aosta, distr. in prov. of Torino, Ital.; cretins very prevalnt.; 84,000 inh.; cap. ⊙ of sm. name, 7,700 inh.

Aosta, Dk. of, *v.* Amadeus 4.

Aoudad, zool., a horned goat-like sheep. Abyssinia.

Apanage, in Fr. ✓, provisn. by kings for their younger sons.

Apatite, ⊕, a crystalline mineral, chfly. phosphate of lime; a yell.-green var. is asparagus stone.

Apatura, gen. of butterflies of fam. *nymphalidæ*, incldg. Purple Emperor, *A. iris*.

Ape, zool., the highst. section of *quadrumana*, incldg. gibbons, orang-outangs, chimpanzees, & gorillas. All devoid of tails & cheek-pouches.

A-peak, ⚓, appld. to an anchor when cable is drawn tight so as to bring the ship directly over it.

Apelles, Grk. ⊕, *ca.* 330 B.C.

Apelt, Ern. Fr., Germ. Theist. ♃, * 3/3 1812, † 27/10 59 Jena.

Apennines, ⛰ extending whole length of Italy, *ca.* 800 m. Aver. height 4,000 ft., hghst. peak Mt Corno, or Gran Sasso d'Italia, 9,543 feet. Metals; volcanic ◆ lakes; ⚓s Arno, Tiber, Volturno.

Apenrade, ⊙ Schlesw., on Baltic, 6,230 inh.; occupd. by Austr. 12/2 1864.

Apetalous, ✿, destitute of petals or corolla.

Aphasia, ✗, speechlessness.

Aphelion, ☀, point in a planet's orbit wh. is most distant from the sun.

Aphis, pl. *aphides*, zool., plant-louse gen. wh. attacks roses, cabbages; including green-fly, hop-fly.

Aphonia, aphony, loss of voice.

Aphorism, a short pithy saying.

Aphrodite, Grk. myth., Venus (*q. v.*)

Apian, or Apianus, Germ. ☀, * 1495 Leipzig, † 1552; observr. of comets ☄.

Apicius, name of 3 celebrated Rom. gourmands.

Apion, Grk. gram. ✓ & schol., * Oasis, † *ca.* 60, opponent of the Jews.

Apis, Egypt. myth., sacred bull at Memphis, representing Osiris.

Apis, pl. *apidæ*, zool., the bee, & bee tribe.

Apium, ✿, gen. of *umbelliferæ*, including celery, *a. graveolens*.

Aplome, ⊕, iron garnet.

Apnœa, feebleness of breath.

Apocalypse symbolic vision, esp. that of St. John.

Apocalyptic Knights, secret soc. formd. 1693 by Agost. Gabrino of Brescia; madmen; suppressd. 1694. A. number, 666.

Apocatastasis, ☀, the period of a planet.

A poco, ♫, It., by degrees.

Apocrypha, hidden; ✝, books not recvd. as canonical by Jews & Prots., but so recvd. by R. Caths., *e.g.* Bk. of Maccabees.

Apocynaceæ, ✿, nat. ord. incldg. oleander & periwinkle, chfly. tropical & poisonous.

Apocynum, ✿, dogsbane.

Apodes, or *apoda*, zool., the eel tribe.

Apogee, ☀, the point of the moon's orbit most distant from earth.

Apolda, ⊙ Weimar, 15,630 inh.

Apollinarians, ✝ sect, fnded. 4th cent. by Apollinaris, Bp. of Laodicea; condemned by Council of Constantinople, A.D. 381.

Apollinaris Spring, ♨ sp. in Rh. Prov., Pruss., discovered 1852.

Apollo, or Phœbus, anct. myth., son of Jupiter & Latona, god of the sun, music, poetry. Celebrtd. oracle at Delphi. Grt. god of Greece. Brothr. of Artemis. Leader of the Muses; called Musagetes.

Apollo Belvedere, most perf. statue of antiq., discvd. 15th cent. in ruins of Antium, & placd. by Julius II. in the Belvedere of the Vatican. Dates from time of Nero.

Apollodorus, 1] Athen. ⊕, *ca.* 408 B.C. 2] Grk. gram. ✓, *ca.* 140 B.C. 3] Rom. ⚠, blt. bridge over Danube; executd. 130.

Apollonia, anct. ⊕, ⊙s in Illyr., Thrace, & Cyrenaica, the last now Marza Sufa.

Apollonicon, ♫ inst., producng. orchestral effects. Invntd. 1800 by H. Völler.

Apollonius, 1] Athen. ⚲. "Farnese Bull." 2] A. the younger., Rhodian ⚲.

Apollonius Molo, Grk. rhet., *ca.* 80 B.C.

Apollonius Pergæus, Grk. geom., *ca.* 250 B.C. ♂.

Apollonius Rhodius, Grk. epic ♂, * Alexandria, *ca.* 222 B.C., † 168. "Argonautica."

Apollonius Tyanæus, Grk. Pythag. ♃, profssd. to work miracles. 1st cent. B.C.

Apologue, a fable.

Apology, a defence, esp. of Christianity. Melanchthon's A. 1531.

Apophthegm, a brief, pithy remark.

Apophygy, △, the curve at point of junction between the shaft & cap or fillet of a column.

Apophyllite, ⊕, a tetrag. min.; hydrated calceo-potassic silicate.

Apoplexy, ♆, a fit of insensibility, resultg. from clot on, or injury to, the brain.

Apostasiads, ⚲, var. of Ind. orchids.

A posteriori, log., deduced from consequences; mental sc., experiment, experimental.

Apostle = one sent; one of the 12 chosen compans. of Jesus. A. of Abyss., Frumentius. A. of Alps, Felix Neff. A. of Ardennes, Hubert. A. of Engl., Augustin. A. of Free Trade, Cobden. A. of France, Denis. A. of Frisians, Wilbrod. A. of Gauls, Irenæus. A. of Gentiles, Paul. A. of Germany, Boniface. A. of Hung., Anastasius. A. of Indies, Francis Xavier. A. of Ireland, Patrick. A. of Picts, Ninian.

Apostoli, † ♆, sect fnded. by Gerh. Sagarelli of Parma, who was burnt 1300; opposd. property & marriage.

Apostolic Constitutions, 8 books on liturgy, discipl., & dogma, 4th cent. A. Canons, 85 rules of spirit. discipl., 3rd–5th cents. A. Fathers, the early Christ. ♂s, Clemens Rom., Barnabas, Hermas, Ignatius, Polycarp, & Papias, who may have known the Apostles. A. Majesty, title of Emp. of Austr. A. Creed, introded. by Tullo, bp. of Antioch, 471.

Apostrophe, rhet., a digression addressed to a person or persons. In gram., contractn. of a word by omission of a letter, *e.g. call'd* for *called;* also the comma (') used for this purpose.

Apothecary, a dispenser of medicines; a Licentiate of the A.s' Society, incorptd. 6/12 1617.

Apotheosis, enrolment of a mortal among gods.

Appalachians, *v.* Alleghanies.

Apparent, ♆, that which is actually observed.

Apparition, the appearance, real or imagined, of a body usually invisible; a phantom.

Appeal, ⚖, removal of a cause from an inferior to a super. court.

Appenzell, canton in N.E. Switz., 152 s.m., 65,000 inh.; cap. ⊙ of same name, 3,700 inh.

Apperley, C. J., "Nimrod," Eng. ♂ on horses, * 1777, † 1843.

Appetites, the instinctive desires of the body.

Appian, Grk. ♃ ♂, * Alexandria, lived 2nd cent., Rome.

Appian Way (*Via Appia*), road laid from Rome to Capua by Appius Claudius, 312 B.C., contind. to Brundusium 28 B.C.; 350 miles, 14 ft. broad.

Appiani, And., It. ⊙, * 1754, † 1818.

Appius Claudius, *v.* Claudius.

Apple, ♃, *pirus malus,* tree of ord. *rosaceæ;* also its fruit, or pome. Fnd. wild, as the crab-tree. Used in mnftg. cider, vinegar; wood for ornamnt. purposes. A. of the eye, the pupil.

Appleby, chf. ⊙ Westmorlnd., on ♃ Eden; destroyed 1388; 1,900 inh.

Applecross, marit. distr. in W. Ross, Scotland.

Appoggiato, ♆, It., a blended utterance of tones.

Appoggiatura, ♆, It., an additional note of embellishment.

Apponyi, 1] A. G., Count, Hung. statesm., * 1808, † 1/6 85. 2] His broth., Rudolph, * 1/8 1812, Austr. ambass. in Lond., † 1/6 76 Venice.

Apposition, gram., the placing togeth. of two nouns in the same case; the use of a noun as an adjective.

Appraiser, a licensed valuer. Yearly licence in Eng. £2.

Apprentice, ♃, one bound by indenture to serve another for a term in order to learn a craft.

Approaches, ✕, trenches in zigzag before a beleaguered place.

Approximation, math., near equality; approach to such.

Apraxin, Steph., Russ. f.-marsh., * 1702, vict. at Gr. Jägersdorf 57, † 31/8 58.

Apricot, ♂, *prunus armeniaca*, a tree, & its edible fruit; introd. into Engl. 1540. Ratafia from kernels.

Apries, or Ouaphres, kng. of Egypt, *ca.* 590 B.C.

April, 4th mo., but origlly. 2nd, of the year.

A priori, log., drawn from antecedent hypothesis; ment. sc., intuition, intuitive.

Apropos, Fr. = by the way; opportune; with respect to.

Apse, △, the semicircular or polyg. termination of a building.

Apsheron, penins. on W. coast of Caspian. Naphtha.

Apsis, ☊, either of the two points of a planet's orbit when at its greatest or least dist. from the sun. Higher A. = aphelion; lower A. = perihelion.

Aptenodytes, ornith., gen. of swimg. birds, incldg. penguins.

Aptera, zool., an ord. of wingless insects, incldg. fleas & lice.

Apteryx, zool., a wingless bird of N. Zealand, of ord. *cursores*; smaller than goose & resemblg. a penguin; bones not hollow; native name *Kiwi-Kiwi*.

Apthorpe, East, Amer. † ✓, * 1733 Boston, † 1816.

Aptote, gram., an indeclinable noun.

Apuleius, Luc., Rom. rom. ✓, * *ca.* 125 Carthage. "Golden Ass."

Apulia, distr. of S. It., incldg. Calabria.

Apurimac, A. S. Amer., ris. in Cordilleras, afflnt. of Tambo, 500 m.

Aqua, Lat. = water. *Aqua et igni interdictus* = forbidden water and fire, boycotted.

Aquadiva, Cl., 4th genl. of the Jesuits, 1581–1615.

Aqua Fortis, nitric acid of commerce.

Aquamarine, ♁, transparent bluish-green var. of beryl; double silicate of aluminium & glucinum.

Aqua Regia, name given by alchem. to a mixt. of nitric & hydrochloric acids.

Aquarelle, Fr. = water-colour drawing.

Aquarium, a place in which water animals can be kept alive in captivity.

Aqua Tofana, a 17th cent. poison, solutn. of crystallised arsenic; from T., a Sicil. poisoneress.

Aqua Vitæ, distilled spirits: brandy.

Aquarius, Lat. = water-carrier; ♒, a constellatn., one of the 12 wh. lie nr. the ecliptic & are known as the signs of the zodiac. Comes on to meridian in Sept. & Oct. *ca.* 9 o/c.

Aquatint, etching to represent water-colour drawing.

Aqueduct, pipe or channel, above or underground, for conveyg. water.

Aqueous Humour, fluid fillg. space betw. crystalline lens & cornea of the eye.

Aqueous Rocks, ⚒, sedimentary rocks, *i.e.* non-igneous: incldg. argillaceous, arenaceous, & calcareous strata.

Aquifoliaceæ, ♃, nat. ord. incl. holly, *ilex aquifolium*.

Aquila, Lat. = eagle; ♘, constellation betw. Hercules & Dolphin.

Aquila, zool., gen. of raptorial birds, incldg. eagles.

Aquila, It. ⊙ in Abruzzo, citadel, cathed., earthqk. 1703, 17,500 inh.

Aquila, or Adler, Caspar, Germ. reformer, * 1488, † 1560.

Aquilariaceæ, ✿, ord. of fragrt. Asiat. trees, incldg. aloes-wood.

Aquilegia, ✿, gen. of *ranunculaceæ*, incldg. columbine.

Aquileia, ⊙ Aust., at head of Adriatic, once important, now fshg. villg. of 2,000 inh.

Aquinas, or d'Aquino, Thomas, † & Rom. C. St., * *ca.* 1227 Rocca Sicca, Naples, † 7/3 74. ✓.

Aquitania, anct. ⬭, country betw. Pyrenees and Loire. From 1152–1451 genlly. Engl. possessn. & duchy.

A.R. = *anno regni*, Lat. = year of the reign.

Ara, Lat. = the altar; ✻, constellatn. in S. hemisphere.

Ara, zool., typ. bird of a gen. of parrots, incldg. macaws.

A.R.A., Associate of the Royal Academy (*q.v.*).

Arab, native of Arabia; more genlly., descended from Arabs.

Arabella Stuart, c. Stuart, Arabella.

Arabesque, after the Arab manner, esp. applied to ornament: fanciful.

Arabi Pasha, Egypt ✕ & patr., Min. of War 2/2 82, resigned, reappointed 28/5, dictator; deftd by Wolseley ✕ Tel-el-Kebir 10/9, captd. 14/9, exiled to Ceylon by Br. Govt.

Arabia, Jezirat-al-Arab., the grt. S.W. penins. of Asia, betw. Red Sea & Pers. Gulf, *ca.* 1,300 × 1,500 m., 1,200,000 s.m., 8,000,000 inh. Elevtd. tableland, interior desert, no large ⚓s. Climate dry; *flora* few, incl. dourra, palm, sugar, cotton, indigo, coffee, aloe, balsam, tobacco, rice, melon, saffron, olive, gums. Turk. ☪. divid. in 2 governments, Hedjaz & Yemen; other states in A., Hadramaut, Oman, El Hasa, Nedjid. ⊙s, Medina, Mecca, Muscat, Aden (Brit.), Mocha, Makallah, Taif. Inh. chfly. Bedouins; orig. inh. Bajadites. Products, pearls, horses, coffee, ostriches. Relig. Mahom. ♛, Invad. by Antiochus the Grt. 219 B.C., wars with Hebrs., Rom. prov., conqrd. by Abyss. kng. Aizana 4th cent., overrun by Mahom. Khalifs of A., Turk. rule 1528.

Arabian Sea, pt. of Ind. O. betw. Ind. & Arabia.

Arabic, lang. & lit., branch of Semitic fam., rich in poetry, writg. reads from right to left. Poet. ✓s, Amru-ben-Kolthum, Amrulkeis, Antar, Tarafa, Lebid, Hareth, Zohair (writers of "Moallakat"), Abu Temmam, Bokhtori, Asmai ("Antar"), Motenabbi, Ferezdak. ⚗✓s, Alfarabi, Avicenna, Al-Gazali, Avenpace, Averroes. ♛ ✓s, Al-Khelebi, Koteiba, Asraki, Masudi, Tabari, Abulfaraj, Abulfeda, Ibn Shohna, Temimi, Ibn Khaldun. Math. ✓s, Al-Fergani, Behaeddin of Amol. Lang. now spread over Syr., Egypt, N. Afr., & much used in Pers., Turk. & Ind.

Arabic Numerals, the numer. characts. now in common use, introded. to Sp. 10th cent. by Moor. Arabs; to Eng 14th cent. Orig'lly Hindu.

Arabin, ⚗, the solub. prin. of gum arabic, $C_{12}H_{22}O_{11}$.

Aracan, or Arracan, ⊙ Burmah, 10,000 inh. Also prov. of Burmah, 462,000 inh.

Araceæ, *v.* Aroideæ.

Arachis, ✿, gen. of *leguminosæ*, incldg. ground-nut.

Arachne, class. myth., rivalled Minerva, and was by her changed to a spider. The spider.

Arachnida, zool., class of *arthropoda*, incl. spiders, mites, scorpions; have no antennæ, & 8 legs.

Arachnoid Membrane, serous membr. lining cavity of skull, & secretg. that which in excess constitutes water on the brain.

Arachosia, anct. ⬭, prov. of Pers., now Afghanistan.

Arad, ⊙ Hung., on both sides of Maros ⚓, distingd. as New & Old, 37,000 inh., ✿. ✕ 1849.

Araeostyle, ⚠, arrangement of columns at reg. intervals.

Araeosystyle, ⚠, arrangmt. of columns in pairs.

Arafat, or Orphat, ▲ nr. Mecca, Arab., pl. of pilgrimage.

Arago, 1] F. J. D., Fr. ✎ & nat. ⚓, * 26/2 1786 Estagel, memb. Prov. Govt. 1848, † 2/10 53 Paris. ⁄. **2]** J. E. Vict., Fr. ⁄, * 10/3 1790 Estagel, traveller, † 1855 Brazil. **3]** His broth., Etienne, dram. ⁄ & journal., * 7/2 1803 Perpignan.

4] Emman., diplom., * 6/8 1812 Paris, s. of **2.**

Aragon, captcy.-gen. in Sp., divd. in 3 provs., Huesca, Teruel, Saragossa. Cap., ⊙ Saragossa. Anctly. indep. monarch., but united to Castile by marr. of Ferd. & Isab. 1479. 14,726 s.m., 930,000 inh.

Aragonite, ◆ with orthorhombic crystals, white, yellow, green, or violet, incldg. satinspar.

Aral, lake in W. Asia, 265 m. × 145 m., subjt. to storms & ice, fed by Syr-Daria & Amu-Daria, but has no visible outlet. Surf. 157 ft. above Blck. Sea, and 244 ft. above Caspian.

Araliaceæ, ✱, nat. ord. incldg. ivy.

Aram, Eugene, class. schol., * 1704, murdered D. Clarke at Knaresboro' 45, hanged 59.

Aramæa, or Aram, anct. ✪ term for Syria, incl. Mesopotamia.

Aramaic Languages, Semit. dialects currt in Aram., incl. E. Aramaic or Chaldee, Syriac, Samaritan.

Aran Isles, 3 isles lying across mth. of Galway B., in W. Ireland, 11,287 acres.

Aranda, Pedro Pablo, Count of, Sp. statesm., * 21/12 1718 Saragossa, † 99.

Aranjuez, ⊙ prov. Madrid, Sp., 4,000 inh. Royal castle.

Arany, 1] Janos, Hung. epic ⁄, * 1/3 1817 Nagy-Szalonta.

2] His son, Laszlo, poet. ⁄, * 24/3 1844, transltd. Shakespeare.

Ararat, ▲ Armenia, W. Asia, known as Masis Leusar (▲ of the Ark), as Ak-dagh, & as Kuh-[illegible] or Noah's ▲. Tradit. rest of Noah's Ark. 2 volc. cones. Ascend. by Dr. Parrot 1829. Earthqk. 1840. 17,112 ft. ▲ of sm. name in N. Carolina.

Aras, ⚓, Armen., anctly. Araxes, ris. nr. Erzeroum, flows 700 m. to G. of Kizilgatch, Caspian.

Aratus, 1] Grk. ✎ & poet. ⁄, 3rd cent. B.C., Cilicia. **2]** A. of Sicyon, * 271 B.C., one of finders. of Achæan League, † 213.

Araucania, terr. of S. Amer., S. of Chili, betw. ⚓s Biobio & Valdivia. 180 × 160 m. Indept. Repub. 1773, now part of Chili, 70,000 inh.

Araucaria, ✱, gen. of *coniferæ*, incldg. monkey-puzzle, *A. imbricata.*

Araujo de Azevedo, Ant., Port. diplom., * 1754, † 1817.

Araujo Porto Allegre, Man. de, Braz. poet. ⁄, ✪, & ⚠, * 29/11 1806 Rio Pardo.

Aravalli Hills, Rajputana & Ajmir, N. Ind. ▲ Abu, 5,655 ft.

Arbaces, finder. of Median Emp., B.C. 876–559.

Arbalest, cross-bow, trigger-bow for firing bullets or arrows.

Arbela, anct. ✪, ⊙ in Assyr., ⚔, Alex. conq. Darius 2/10 331 B.C. Now Erbil, 2,500 inh.

Arbitration, ⚖, settlement of disputes by a common party or parties. Internat. ⚖, settlemt. by delegates named by interested & disinterested states.

Arblay, Mme. d', *z.* Burney, Frances.

Arbogast, L. F. A., Fr. math. ⁄, * 1759, † 8/4 1803.

Arbois, ⊙ Jura, France, ruins, 9,000 inh.

Arbor Vitæ, ✱, gen. of *coniferæ.* In Anat., appearce. of a section of the cerebellum vertically.

Arbroath, or Aberbrothok, ⚓ ⊙ Forfar, Scot. Abbey destroyed 1560. Mnf. jute, flax. 22,000 inh.

Arbues de Epila, Inquisitor in Aragon, * 1441, murdered for his cruelty 85, canonised 1867.

Arbuthnot, 1] Dr. John, ✓, * 1675 Scotl., † Feb. 1735 Lond. 2] V.-Ad. Marlot, Brit. ⚓, * 1711, † 1794.

Arbutus, ♨, gen. of *ericaceæ* or heaths, incl. strawberry-tree. Var. common in Ireld. Bark astringent, employd. in tanning. Berries in Corsica used for wine.

Arc, geom., part of a circle cut off by two lines which meet or intersect it. Voltaic A., electr., luminous glow between one pencil of charcoal and another when these are cond. to the terminals of a battery & placed with their points a small distance apart.

Arc, Joan of, or Jeanne d'Arc, Maid of Orleans, * 6/1 1412 Domremy, headed the Fr. agst. the Engl. 29, librtd. Orleans, captrd. by Engl. 23/5 30, burnt 30/5 31 Rouen.

Arcade, ▲, range of arches on pillars or piers. A covered lane.

Arcadia, anct. ⊙, Pelasgia, ▲ous distr. in Peloponnesus, joined Achæan League 228 B.C., incorpd. with Rom. prov. of Achaia 146 B.C. Fig., simple country life.

Arcadius, 1st Rom. Emp. of the East, s. of Emp. Theodosius, * 383 Spain, † 408 Constantinople.

Arcesilaus, Grk. ✍, fnded. Middle Academy, † 241 B.C.

Arch, △, conc. or hollow struct. of stone or brick supportd. by its own curve.

Arch, Joseph, leader of agricult. labourers, * Barford 10/11 1826, fnded. Nat. Agri. Lab. Union 72; returnd. to Parlt. for N.W. Norfolk 85–86.

Archæology, science or study of antiquities, especlly. of relics, remains, ruins.

Archæopteryx, paleon., fossil bird fnd. at Solenhofen, Bavar., with claws on wings, & lizard-like tail.

Archaism, use of obsolete or antiquated words, &c.

Archangel, Russ. government betw. White Sea & Arctic O., & Finl. & the Ural ⛰. Its cap. ⊙ of sm. name, port at mouth of Dwina, ship-building, rope-mkg., fnded: 1584, archbpr., 21,000 inh.

Archbishop, ✝, a metropolitan bishop, superintendg. bishops in his province. Engl. Ch. has 2. Canterbury, York, former Primate of all England, latter Prim. of Engl. 1st A. of Cant., Augustine, 597; 1st of York, Paulinus, 625. There are 2 Prot. A.'s in Irld., Armagh & Dublin, but they have no political status. Styled Your Grace, & Most Rev. Father in God.

Archdeacon, ✝, superintendent of division of a bishop's diocese. Styled Venerable.

Archduke, in middle ages title of dukes of Austr., Lorraine, & Brabant. Now title of princes of Imp. families of Austr. & Russia.

Archelaus, 1] kng. Macedon, 413-399 B.C. 2] A. of Milesius, Ionic ✍, *ca.* 450 B.C. 3] s. of Herod the Grt., ethnarch of Judæa, Idumea, & Samaria, 3–13.

Archenholtz, J. W. von, Germ. ✍ ✓, * 1745, † 1812.

Archer Fish, zool., *toxotes jaculator*, wh. shoots water at its prey. E. Ind. & Polynesia.

Arches, entom., Engl. name of various moths; Black A., *psilura monacha*; Green A., *polia herbida*; Light A., *xylophasia lithoscylea*; Buff A., *thyatira derasa*.

Arches Court, the eccles. Crt. of Appeal of the Abp. of Canterbury.

Archiater, distinctn. conferrd. on ✍s in Den. & Swed.

Archidamus, name of sev. Spartan kings.

Archil, or Orchil, purple pigment wh. is changd. by acid to red. Extractd. from a lichen by fermentation.

Archilochus, Grk. lyr. & satir. ✓, *ca.* 688 B.C.

Archimandrite, in Grk. Ch., a superior abbot, having several convents under him.

Archimedean Principle, that a body immersd. in water loses as much of its weight as the weight of the water displaced.

Archimedean Screw, a spiral tube by wh., when it is inclind. & revolved upon its axis, water may be raised. Invented by Archimedes, *ca.* 220 B.C.

Archimedes, ⚓ & ⚙, * 287 B.C., killd. 212 Syracuse. Discvd. prin. of spec. gravity.

Archipelago, any sea thickly sprinkled with isles. Grk. A., betw. Gr. & Asia Min., consists of Cyclades, E. of Gr., & Sporades, W. of As. Min. Former belong to Gr.; most of latter to Turkey Cyclades: Andros, Tenos, Myconos, Melos, Naxos, Paros, Amorgos, Lyra, &c. Sporades: Scarpanto, Rhodes, Cos, Patmos, Samos, Chio, Mitylene, Lemnos, &c. Aleutian A., N.W. Amer. Chagos A., Ind. O. Dangerous A., S. Pac. O., inclds. Pitcairn Isl. Caribb. A., Antilles. Corean A., W. of Corea.

Architecture, art of building 5 classic ords., Doric, Ionic, Corinthian, Tuscan, Composite. Chf. Engl. styles, Saxon & Norman, 598-1137; semi-Norman, 1135-1220; early Eng. or Gothic, 1220-1300; decorated Engl., 1300-1380; florid Engl., 1380-1509; debased Engl., 1509-1640.

Architrave, △, that part of an entablature wh. rests immediately on the columns.

Archon, highest magistrate in anct. Athens, 1068-684 B.C. Later there were 9 archons.

Arcis sur Aube, Fr. ⊙, 3,000 inh., ✕ 20 & 21/3 1814.

Arco, 𝄞, the bow in stringed instruments.

Arco, C. de, It. ✍ ✓, * 8/9 1799 Mantua, † 26/1 1872.

Arcole, ⊙ upp. It., on Alpone, ✕ 15-17/11 1796.

Arcon, J. Cl. d', ⚙, * 1733 Pontarlier, † 1/7 1800; invntd. floatg. batteries.

Arcot, ⊙ Madras, Brit. Ind., ✕ 1751, 11,000 inh.

Arctia, entom., gen. of moths, incldg. tiger-moth.

Arctic Circle, ⊙, circ. drawn parallel with equator at dist. of 23° 28′ from N. Pole.

Arctic Fox, zool. *canis lagopus.*

Arctic Ocean, ocean round N. Pole, largely covered w. islands.

Arcturus, ✳, star of 1st magn. in Bootes in N. hemisphere.

Ardea, zool., gen. of *ardeidæ,* incldg. herons.

Ardeb, meas. of capac. in Egypt, &c., Alexandria *ca.* 60 galls., Cairo *ca.* 40 galls., Gondar 1 gall., Massowah 3 galls.

Ardebil, ⊙ prov. Azerbijan, Pers., caravan trade.

Ardèche, departmt. in S. France, 2,136 s.m., 390,000 inh.; cap ⊙, Privas.

Arden, woodlnd. distr. of Warwicksh., Eng.

Ardennes, Belg. ⛰ betw. Mosel & Maas ⛰s, wooded, av. height 1,800 ft.

Ardennes, departmt. N. E. France, 2,021 s.m., 328,000 inh., cap. ⊙, Mezieres.

Ardeshir Babegan, k. of Pers., † *ca.* 260.

Ardibehesht, 2nd mo. of Parsi year.

Arditi, Ludov., violinist & 𝄞 composr., * 22/7 1822, Crescentino. *Il Bacio.*

Ardnamurchan Point, N.W. prom. of Argylesh., Scot., & most W. point of mainld. of Grt. Brit.

Ardoch, villg. Perthsh., Scot., Rom. remains.

Ardres, ⊙ Pas de Calais, France. "Field of Cloth of Gold," 1520.

Ardrossan, ⚓ ⊙ Ayrsh., Scot., iron-fndg., shipbldg. ✕ 1297. 4,000 inh.

Are, or Ar, unit of metric syst. as applied to superfic. measurement. 1 are = 100 sq. metres = 1,076·420,934 sq. feet.

Area, math., superficial contents.

Areca, ✿, gen. of palms, incldg. betel-nut p., *areca catechu,* cabbage p.

Arena, floor or centre of an amphitheatre or circus.

Arenaceous, ⚒ & ⊕, sandy, composed of sand or grit.

Arenaria, ♃, gen. of *caryophyllaceæ*, sand-wort.

Arenberg, or Aremberg, duchy in Germany, formerly indept.

Arendal, Norw. ⚓ ⊙, 8,000 inh.

Arends, L. A. F., stenog. ✓, * 1/12 1817, † 22/12 83 Berlin.

Areng, ♃, palm in Ind. Archip. producg. sago.

Areolar Tissue, or Connective T., in anim. bodies, a tissue wh. invests all organs; composed of fibres & membranes formg. a porous mass.

Areometer, instr. to meas. sp. gravity of liquids.

Areopagus, Mars' Hill, to the W. of the Acropolis, Athens, seat of a court of ⚖, & meetg.-pl. of the Areopagitic Council.

Arequipa, department, Peru, 200,000 inh. Chf. ⊙ A., 85,000 inh., 80 m. from port of Islay. Fnded. 1540. Taken by Chili 1882.

Ares, Grk. myth., Mars (*q.v.*).

Aretæus, Grk. ♃, livd. *ca.* 200, Cappadocia. ✓.

Arethusa, class. myth., nymph changd. to fountain in Ortygia.

Aretin, 1] Christ. v., ⚖ & pol. ✓, * 2/12 1773 Ingolstadt, † 24/12 1824 Munich. 2] His son, C. M., * 4/2 1796, † 29/4 1868. Cath. ✓.

Aretino, 1] Pietro, Ital. satir. ✓, * 20/4 1492 Arezzo, † 1557 Venice. 2] Leonardo (Bruni), Ital. schol. & ✓, * 1369 Arezzo, † 1444.

Arezzo, ⊙ Tusc., Ital., anct. Arretium. Conqd. by Florence 1531; 10,000 inh.

Argali, zool., *ovis ammon*, wild sheep of Siberia; large horns.

Argand, Aimé, physic. & ⚗, * 1755 Geneva, † 1803 Engld.

Argand Lamp, lamp with cylind. wick up which air flows. Invntd. by Argand, 1789.

Argaum, ⊙ Berar, Ind., Brit. vict. ✕ 28/11 1803.

Argelander, F. W., celebr. ✱, * 22/3 1799 Memel, † 17/2 1875 Bonn. ✓.

Argens, J. B. de B., Marq. d', Fr. ✓, * 24/6 1704, † 11/1 71.

Argenteuil, ⊙ Seine, Fr., 16,000 inh.

Argenteus, Codex, MS. of pt. of 4 Gospels in Mœso-Goth., in libr. of Upsala.

Argentine Republic, S. Amer. Confed. State, 1,357,896 s.m., 2,550,000 inh.; bounded N. by Boliv. & Parag.; S. by Strts. of Magellan; E. by Parag. & Braz. & Atlant. O.; W. by Chili, Bolivia. Cap. ⊙, Buenos Ayres. ⊙ *s*: Rosario, Cordoba, Tucuman, Santa Fé, Parana, Corrientes. 14 provs. & unorganisd. terr. *Prodts.*: maize, fruits, wool, cattle, oil, ostrich feathers. R. 1,750 miles. Governd. und. Constit. of 25/9 1869. Army 7,400 men. Revenue *ca.* £6,300,000; expend. *ca.* 6,500,000. ♆, Discvd. 1509 by Juan Diaz de Solis. Occupd. by Sp. 16th cent.; viceroyalty of La Plata 1776; Declaratn. of Indep. 1816.

Arges, zool., gen. of fish of fam. *siluridæ*, commn. in lakes in Andes.

Argillaceous, clayey. ⚒, A. rocks, sedimentary rocks, incldg. clay, shale, slate.

Argiro Castro, ⊙ distr. Deropul, Albania, 12,000 inh.

Argo, ✱, constelln. in S. hemisphere, nr. S. pole.

Argol, ⚗, impure bitartrate of potass., deposited in fermentatn. of wine.

Argolis, anct. ⬭, div. of N.E. Peloponnesus, 1,059 s.m.

Argonaut, or Paper Nautilus, zool., gen. of *cephalopods*; has 8 arms, 2 webbed. Female has shell.

Argonauts, class. myth., crew of ship Argo, in wh. Jason went to obtain the Golden Fleece from Æa, or Colchis.

Argos, most anct. ⊙ of Peloponnesus, cap. of Argolis; mergd. in Rom. prov. Achaia, 146 B.C.; presnt. pop. 11,000.

Argus, class. myth., a 100-eyed monster appntd. to watch Io, the rival of Juno; slain by Mercury. His eyes transferred to peacock's tail.

Argyleshire, county on W. coast Scot., incldg. part of Hebrides. Chf. ⊙ Inverary. 3,210 s. m., 76,500 inh. Ret. 1 memb. Parlt.

Argyll, or Argyle, 1] Archb. Campbell, 8th Earl of, * 1598, chf. of royal cause in Scot., executd. for h. treason 1661. 2] Archb., 9th Earl of, * 1628, opposd. Parlmt., tried for h. treas. 81, executd. 30/6 85. 3] Geo. J. Douglas, 8th Dk. of, * 30/4 1823, Ld. Privy Seal 52–5, 59–66, 80–81, Post.-Gen. 55–8, Sec. for Ind. 68–74. ✓.

Argynnis, entom., gen. of butterflies, incldg. fritillaries.

Argyroneta, gen. of spiders, incldg. diving-spider, *A. aquatica.*

Ariadne, class. myth., personif. of Spring; abducted and deserted by Theseus; wife of Bacchus.

Ariana, anct. ⬭, E. pt. of Persia.

Arians, followers of Arius (*q.v.*).

Ariarathes, name of 9 kngs. of Cappadocia, B.C. 404–36.

Arias Montanus, Bened., R. Cath. † & orient. ✓, * 1527 Spain, † 98 Seville.

Arica, chf. ⚓ ⊙ S. Peru, exprts. copper, silver; 4,000 inh. Captd. by Chili 1881.

Ariège, departmt. of Fr., nr. Pyrenees, chf. ⊙ Foix, 1,890 s.m.; 248,000 inh.

Aries, the Ram; ♈, one of 12 signs of zodiac; on S. merid. at 9 p.m. December.

Arikera, ⊙ nr. Seringapatam, Ind.: Brit. vict. ⚔ 13/5 1791.

Arimanes, Grk., corrupt form of Ahriman.

Arimaspes, myth., one-eyed people.

Ariobarzanes, name of 3 kngs. of Cappadocia, & 3 of Pontus.

Arion, flute-playr. of Methymna, Lesbos, *ca.* 605 B.C. Also constelln.

Arioso, It.=airy; ♫, tunefully.

Ariosto, Ludov., It. poet. ✓, * 8/9 1474 Reggio, † 6/6 1533 Ferrara. "Orlando Furioso."

Ariovistus, prince of Suevi, Germ.; occupd. Gaul 72 B.C., drivn. out 58, ⚔ Muhlhausen, by Cæsar.

Aristænetus, Grk. erot. ✓, *ca.* 358 (?).

Aristarchus of Samos, Grk. ✱, 280–64 B.C.

Aristarchus of Samothrace, Grk. gram.; edited Homer, † *ca.* 88 B.C. Cyprus.

Aristides, 1] the Just, Athen. genl., chf. Archon 489 B.C., banishd. by ostracism 482, recalld. 480, vict. ⚔ Platæa 479, † 468. 2] ⊕, Thebes, *ca.* 350 B.C. 3] Ælius, Grk. rhetor., † *ca.* 189.

Aristippus, 1] Grk. ⚓, * *ca.* 424 B.C. Cyrene, Afr., † *ca.* 356. 2] His grandson, A. (Metrodidaktos).

Aristobulus, 1] kng. Judæa 69 B.C., deposed by Pompey 63.

Aristocracy, literally, rule by the best men; rule by the few.

Aristogeiton, with Harmodius, slew Hipparchus, the Athen. tyrant.

Aristolochia, ✱, gen. of climbg. shrubs, incldg. birthwort, Virginian snake-root.

Aristomenes, Messenian hero, *ca.* 700 B.C.

Aristophanes, Grk. comic ✓, * *ca.* 450 B.C., † *ca.* 380 B.C. Athens. *Acharnians, Clouds, Wasps.*

Aristotle, Grk. ⚓, * Stagira, 384 B.C., † Chalcis 322. Fnded. Peripatetic schl., & sc. of Logic. ✓.

Aristoxenus, earliest extant Grk. ♫ ✓, pupil of Aristotle.

Arithmetic, science of numbers & calculation.

Arithmetical Progression, series of numbers increasing or decreasing by equal steps.

Arius, †, * *ca.* 250, fnded. Arian heresy, declarg. that the "Son" was a created being. Condemned by Counc. of Nice, † 336 Alexandria. His disciples favrd. by Julian & Valens, but persecuted by Theodosius.

Arizona, terr. U.S.A., W. of N. Mex. Cap. ⊙ Tucson. Organzd. 1863, 113,916 s.m., 40,000 inh.

Arkansas, a S.W. state of U.S.A., S. of Missouri, colonised by Fr. 1685, purchased by U.S. 1803. Cap. ⊙, Little Rock. Admitted to Union 1836; 52,198 s.m., 825,000 inh.

Arkansas, ⚓ ris. Rocky ⛰, flows 2,170 m. to Mississippi.

Arklow, fishg. ⊙ Wicklow, Irld., 5,000 inh., ⚔ 1798.

Arkwright, Sir Rich., inventor of spinning frame, * 23/12 1732 Preston, kngtd. 86, † 3/8 92.

Arlberg, distr. of the Alps. Pass & road 5,570 ft. high; tunnel, 1883, 13,500 yds. long.

Arles, anciently Arelate, ⊙ Bouches du Rhône, Fr., cap. of Merovings 6th cent.; Rom. ruins; silk; 25,000 inh.

Arlington, H. Bennet, Earl of, dipl. & polit., * 1618, † 1685.

Arlotto Mainardi, Ital. com. ✓, * 1395, † 1483.

Arlt, Ferd., Austr. opt. ✓, * 18/4 1812, † 7/3 87.

Armada, Sp. = armed force; the fleet sent against Eng. by Philip of Sp. 1588, consistd. 132 ships, 8,000 sailors, 20,000 soldiers. Deftd. by Howard, Drake, Hawkins, Frobisher; only 53 ships returned.

Armadillo, zool., gen. of *edentata*, S. Amer.; back covered with mail, feeds on worms and roots.

Armagh, inld. county N. Irld., 512 s.m., 168,000 inh. Ret. 3 memb. Parlt., N., S., Mid. Chf. ⊙ same name. Rom. C. bpr., Prot. archbpr. & Primacy. 8,800 inh. Synod 1170.

Armansperg, J. L., Count, Bavar. stateam., * 1787, regent & chanc. of Greece, ⚔ 32–37, † 3/4 53.

Armatoli, Grk. irreg. militia that greatly assisted the freeing of the country.

Armature, the keeper of a magnet; elect. magn., the temporarily magnd. revolving part of a machine.

Armed Neutrality, 1] betw. Russ., Swed., Den., 1780. 2] 1800.

Armenia, Hayasdani or Haikh, country of As. Min., once indep. kingdom, now divided between Turk., Russ., & Pers.; ▲ous & highland. ⛰s: Caucasus, Ala Dagh, Kara Dagh. ▲s: Ararat, Tura Djelu. Lakes: Gok Tchai, Van. ⚓s: Euphrates, Tigris, Aras, Kur. *Flora:* oak, fig, vine, corn, birch, beech. *Fauna:* red goose, pheasant, stork, crane, bear, lynx, fox, wolf. *Products:* lead, copper, arsenic, silver, salt, alum. ⊙s in Turk. A., Erzeroum, Van; in Russ. A., Erivan, Etchmiadzin, Ordubad, Alexandropol, Tiflis; in Pers. A. (Azerbidjan), Tabriz, Resht. Pop. Armen., Turk., Kurd, Tartar, Georg., Grk., Arab., Gipsy. ♛, Conqd. by Alex. the Grt. 330 B.C., dyn. of Seleucidæ, formtn. of 2 kgdms. Grt. & Lit. Arm., Sassanide prov. of Byzant. 1080, prov. Pers. 1472, prov. Turk. 1583. Area 90,000 s.m., *co.* 2,000,000 inh.

Armenian Church, Christ. ch. under Russ. protectn., fnded. by Gregory 3rd cent. Doctr. sim. to that of Grk. Ch. Four patriarchs, Constantinop., Jerusalem, Sis, & Etchmiadzin. Priesthood heredty.

Armenian lang. & lit., branch of Indo-Germ. Alphab. 36 letters. ✍ /s, Agathangelus, Moses of Khoren, Elisæus, David, Lazarus of Parb, Nerses Klaietsi.

Arminius (improply. Hermann), s. of Sigimer, & Pr. of the Cherusci, in N. Germ., * 17 B.C.; served in Rom. army, deftd. Varus in the Teutoburg Forest 9 A.D.; monument on the Grotenburg erected 1875.

Arminius, Jacob, Dut. † (real name Hermannson), pupil of Beza, * 1560; fnder. of Arminianism, † 19/10 1609.

Armitage, Edw., Engl. ●, * 1817 London; R.A. 72.

Armorica, anct. ⊙, maritime pt. of Celtic Gaul, now Brittany & Normandy.

Armstead, Hen. H., Eng. ●, * 1828; R.A. 79.

Armstrong, Wm. G., Lord. ●, * 1810 Newcastle; celeb. for constr. of rifled guns, kngted. 59, peer 87.

Army, The British, consists of 211,474 men, viz., Household Cavlry. 1,302, Cavalry of Line 17,721, Royal Horse Artillery 4,184, Royal Artil. (Field) 14,107, (Garrison) 16,172, Roy. Engineers 6,405, Foot Guards 5,895, Infantry of the Line 137,068,

W. Indian Regiments 2,712, Commissariat & Transport Corps 2,575, Ordnance Store Corps 683, Corps of Ordnance Artificers 50, Medical Staff Corps 2,600. Total cost *ca.* £18,400,000. *v.* Reserve Forces.

Army Plot, attempt to use Eng. army to coerce Parlt. 1641.

Arnaouts, inhabts. of Albania.

Arnason, Jón, Iceld. ✓, * 17/7 1819, † 4/9 88.

Arnauld, 1] Ant., leader of the Jansenists, * 6/2 1612, † 8/4 94 Liege. **2]** Jacq. Marie, * 1591, Abbess of Port Royal, supporter of the Jansenists, † 1661.

Arnault, Ant. Vinc., ✓, * 22/1 1766 Paris, † 16/9 1834 Godeville. *Marius.*

Arnd, J., Prot. †, * 27/12 1555, † 11/5 1621, pietist ✓. *

Arndt, Ern. Maur., Germ. patriot, * 26/12 1769, † 29/1 1860 Bonn. ✓.

Arndts, Ludw., Germ. ✓, * 19/9 1803, † 14/3 78, Vienna.

Arne, Thos. Aug., ♪, * 1710 London, † 5/3 78. "Rule, Britannia."

Arneth, Alf. v., Aust. ✓, * 10/7 1819 Vienna, Pres. of Vien. Acad. of Sc. 81.

Arnheim, ⊙ & cap. ⊙ Guelderland, Holl., on Rhine, trade, 37,000 inh.

Arnhemsland, N. coast of New Holl., discovd. by Arnhem 1623.

Arnica, ✱, gen. of *compositæ*, incldg. *arnica montana*, mountain tobacco, of wh. roots & leaves possess acrid propties. Emplyd. in ✱ as stimul., externlly. for bruises, &c.

Arnim, 1] J. G., genl. in 30 Yrs.' War, * 1581, vict. ✕ Liegnitz 1634, † 41. **2]** Ludw. Achim v., Germ. ✓, * 26/1 1781 Berlin, † 26/1 1831. **3],** His wife Elise, sister of C. Brentano, * 4/4 1785, lovd. Goethe, marr. 11, † 20/1 1859. ✓. **4]** Harry, * 3/10 1824; Pruss. ambas. at Paris 72, imprisd. 76 for treason, † 19/5 81 Nice. **5]** Adolph, * 12/12 1832; Presdt. of Germ. Reichstag 80, † 15/12 87.

Arno, ⛰ centr. Ital., rises Apennines, flows 150 m. past Florence, Pisa to Mediterr.

Arnobius, † ✓, *ca.* 300.

Arnold, 1] Dr. Thos., schol. & h. master of Rugby 1828–42, * 13/6 1795 W. Cowes, † 12/6 42 Rugby. ✓. **2]** Christ., Germ. ✕, * 17/12 1650, † 15/4 95. **3]** Gottfr., Germ. † ♛ ✓, * 5/9 1665, † 20/5 1714. **4]** Bened., fought in Amer. revol. war; offerd. to betray West Point to Engl. 80, escapd. to Engl., † 1801. **5]** Dr. Sam., Engl. ♪, * 1740, † 1802. **6]** John, * Bodmin 1744, † 1799, improvemts. in watch-makg. **7]** Matthew, s. of **1**, * 24/12 1822 Laleham; Eng. poet. & ✉ ✓, † 15/4 88 Liverpool. **8]** Arthur, polit. & ✓, * 28/5 1833. **9]** Edwin, poet, journ., & orient. ✓, * 10/6 1832; ed. *Dy. Telegraph*; K.C.I.E. 87.

Arnold of Brescia, Rom. Cath. reformr., * *ca.* 1100, burnt 1155 Rome.

Arnott, Dr. Neil, * 1788 Dysart, † 2/3 1874, inventr. of A.'s stove; scient. ✓.

Arnstadt, ⊙ Schwarzb.-Sondersh., 10,000 inh.

Arnulf, St., Bp. Metz 612–41.

Arnulf, Emp. Germ. 896–99.

Aroideæ, or Araceæ, ✱, nat. ord. incldg. *arum*, or wake-robin.

Arolsen, cap. ⊙ Waldeck, on Aar, 2,500 inh.

Aromatari, Jos. of, ✱, * 1586 Assisi, † 16/7 1660 Venice. ✓.

Arpeggio, ♪, striking notes of a chord successively instead of together.

Arpino, anctly. Arpinum, ⊙ S. Ital. Ruins; wool mnf. 11,500 inh.

Arquebus, hand-gun of 15th & 16th cents., carrd. ball of 2-3½ oz.

Arques, ⊙ Seine Inf., France, ✕ 21/9 1589.

Arracacha, ✱, gen. *umbelliferæ* incldg. *A. esculenta*, a S. Amer. edible tuber.

Arrack, or Arack, gen. name for distilld. spirits in Asia, Egypt, & N.E. Europe; more particly. spirit from flowers & fruits. In Ceyl.

from cocoa-nut, Ind. from *bassia longifolia*, mahwah tree, Java from molasses, palm-wine, & rice, Turkey from grape skins.

Arragon, *v.* Aragon.

Arrah, ⊙ distr. Shahabad, prov. Bengal, Brit. Ind., ⚔ 2/7 1857; 40,000 inh.

Arran, isle, mth. of Firth of Clyde, W. Scot., 20 × 12 m. Goatfell ▲ 2,860 ft.; 5,200 inh.; pt. of Butesh.; *v.* also Aran.

Arras, ⊕ Pas de Calais, Fr. Anctly. Nemetacum; ruins; Treaties of A. 26/9 1435; 28/12 1482; 28,000 inh.

Arratel, weight in Port., Braz. = *ca.* 1 lb.

Arreboe, Anders., Dan. poet. ♂, * 1587, † 1637.

Arrest, H. L. d', ♆, * 13/8 1822 Berlin, † 14/6 75 Copenhagen.

Arrhenatherum, ⚘, gen. of grasses, incldg. oat-grass.

Arrian, Flav., Grk. ♃ & ♛ ♂, * Nicomedia, *ca.* 88.

Arrighi, J. T., Dk. of Padua, * 8/3 1778 Corte, genl. under Napol. I., senator under Napol. III., † 21/3 1853.

Arroba, weight, Sp., Mex., S. Amer., *ca.* 25 lb. Measure of capacity, Sp. 3·54 galls. (oil), 2·59 (wine).

Arrondissement, in France, a sub-divis. of a department.

Arrowhead, ⚘, aquat. plant of nat. ord. *alismaceæ*.

Arrowheaded Characters, *v.* Cuneiform.

Arrowroot, starch obtnd. from *maranta, arum, tapioca*, &c., & used as food.

Arru Isles, Dutch group 80 m. S.W of N. Guinea. Cap. ⊙, Dobbo. Pop. of isles *ca.* 14,000.

A.R.S.A., 1] Assoc. of Roy. Soc. of Arts. 2] Assoc. of Roy. Scot. Academy.

Arsacidæ, Parthian dyn. 250 B.C. –226 A.D., fnded. by Arsaces I. *ca.* 250 B.C. There were 28 kngs. of Parthia named Arsaces; the last succeeded 216 A.D.

Arschin, Russ. superf. meas. = *ca.* 80 sq. yards.

Arsenal, a naval citadel or repository; also a store for arms. Chf. A. in Eng. Woolwich; in Fr. Cherbourg, Brest, Toulon; in Germ. Spandau, Cologne, Dantzic; in Russ. Petersburg; in Austr. Vienna, Pola.

Arsenic, ♃ & ♀, metalline elem., crystalline & brittle; vapour has odour of garlic, very poisonous, alloyd. with lead for shot-making. Forms 2 compds. with oxygen, arsenious acid, or white A. of comm., hydrated As_2O_3; & arsenic acid, hydrated As_2O_5; and with hydrogen, arseniuretted hydrogen, AsH_3, a colourless poison. gas smellg. like garlic.

Arsinoë, dau. of Ptolemy I., k. of Egypt, m. Lysimachus, k. of Thrace, & afterw. her broth. Ptol. Philadelphus. From her, ⊙, now Suez.

Arsis, Grk. = raising up; ♥, rise of the hand in beatg. time. In prosody, pt. of foot on wh. stress falls.

Arta, Gulf of, anctly. Ambracian G., in Ionian Sea. ⚔ Actium 31 B.C. ⊙ 30 m. from coast, 6,000 inh. ⚔ 16/7 1822.

Artaba, Pers. meas. of capac. = *ca.* 15 gals.

Artaxerxes, 1] Longimanus, kng. of Pers., s. of Xerxes, 465–25 B.C. 2] Mnemon, kng. of Pers. 405–361 B.C. 3] Ochus, kng. of Pers., s. of 2, † 338 B.C.

Artedi, Pet., Swed. nat., * 22/2 1705, assistd. Linnæus, † 21/9 1735.

Artemis, Diana (*q.v.*).

Artemisia, 1] Q. of Halicarnassus, aided Xerxes against Greece 480 B.C. 2] Q. of Caria & widow of Mausolus, † *ca.* 350 B.C. Built Mausoleum.

Artemisia, ⚘, gen. of *compositæ*, incldg. wormwood.

Artemisium, anct. ♋, cape, N. coast Eubœa, ⚔ 480 B.C.

Arteries, vessels by wh. blood is carried from heart & distributed.

Carotid A.s supply head, Subclavian A.s supply arms, Iliac A.s supply legs, Cœliac axis supplies liver, Renal A.s supply kidneys.

Artesian Well, perpend. boring into earth, producg. a constant flow of water to surface: at Grenelle 1,798 ft., at Kissingen 1,878 ft., at Passy 1,923 ft., at Louisville 2,086ft.

Artevelde, 1] Jac. van, Dut. leader, murderd 24/7 1345. 2] His son Philip, † 27/11 1382 ⚔ Roosbecke.

Arthritis, ♃, gout.

Arthropoda, zool., div. of anim. kngd., incldg. crustaceans, spiders, scorpions, centipedes, & insects havg. jointd. limbs articulated to the body. Calld. also *articulata*.

Arthur, 1] myth. prince of Brit., son of a Romanised Brit. & kng. of Camelot or Cadbury, † ⚔ Camlan by Modred of Wales, burd. at Glastonbury 542 (?). 2] A. of Brittany, s. of Geoff. Plantagenet & Constance, • 1187, captd. by k. John, † 1203. 3] Eld. s. of Henry VII. of Eng., • 1486, m. Cath. of Aragon 14/11 1501, † 1502. 4] *v.* Connaught, Dk. of.

Arthur, 1] Chester Allan, • Troy 1830, Vice-Pres. of U.S.A., 80, Pres. on death of Garfield 19/9 81, † 18/11 86. 2] T. S., Amer. fict. ✓, • 1809.

Arthur's Seat, hill, 822 ft. high, Edinburgh.

Artichoke, ♃, *cynara scolymus*, plant of ord. *compositæ*, flower-buds edible when cooked. Jerusalem A., a diff. plant, but also of ord. *compositæ*, is the *helianthus tuberosus*. The tubers are edible & nutritious.

Article, gram., word used bef. a noun to limit its significatn.; the adjectives *a* and *the*.

Articles of Confederation of orig. 13 States, U.S.A., adoptd. 1/3 1781.

Articles of Religion (39). Engl. Ch., fnded. on Book of Articles 1536, draftd. by Cranmer & Ridley 1553, re-edited by Jewel in present. form & issued 1571, confirmed 1603.

Articles of War, Brit. regul. for govt. of army & navy, 1714 & 1749, and annually confirmed, with modifications, by the Mutiny Act.

Articulata, *v.* Arthropoda.

Artillery, the branch of an army wh. is armd. with cannon, either field, mountain, siege, fortress, or coast. The science of gunnery; cannon. In time of peace Grt. Brit. has 17 Brigades of A., incldg. *ca.* 920 guns. Germ. has 4,200 guns, France 2,622, Russ. 3,808. A. first used in Engl. 1327, in Fr. 1338.

Artiste, Fr.=an expert in any art or trade.

Artocarpaceæ, ♃, nat. ord. plants, incldg. bread-fruit, *artocarpus incisa*, S. Sea Isles.

Artois, anct. prov. N. Fr., cap. ⊙, Arras.

Artôt, Jos., violinist, • 25/1 1815 Brussels, † 20/6 45 Paris.

Arum, ♃, gen. of *aroideæ*. Com. A., lords & ladies, or cuckoo-pint, is poisonous until dried. From root Portland arrowroot is extracted.

Arundel, ⊙ Sussex, on Arun, Norman cast. restord., 2,750 inh.

Arundel Marbles, Ψ, part of collctn. of anct. ⚗s formd. by Thos. Howard, E. of Arundel, & givn. 1667 to Oxford Univ.

Arvonian, ⚒, pre-Cambrian formation fnd. in Pembrokesh. & Anglesea, contg. quartz-felsites & porphyries.

Aryan, philol. & ethnol., the Indo-European or Japhetic group of people and languages, incldg. all Europ. langs. except Turk., Magyar, Lap., & Finn.; togeth. with Pers. & all derivatives of Sanscrit. *Arya*, Sans.= noble.

As, anct. Rom. weight=*libra* or pound of 12 ounces. Also Rom. coin, orig. weighg. a pound, but afterwards $\frac{1}{12}$th of a pound or less. Composd. of alloy of copper & tin. In Cicero's time=¾d. of our money.

Asafœtida, ♃ & ♃, drug extractd. from juice of var. of *umbelliferæ*, but esp. from *narthex*, Bombay. Used as stimulant; offensive odour.

Asaf-ul-Dowlah, Vizier of Oude 1775, persecuted the Begums 82, † 97.

Asa-Loké, Scand. myth., the genius of evil.

Asan, name of 3 kings of Bulgaria. A. III. expelled 1279.

Asantschewski, Mich., ♂, * 1838 Moscow, director of Petersburg Conservat. 70–76.

Asbestos, ⊕, fibrous flexible form of hornblende, &c., Ital., Fr., Corn., Cornwall, &c.; resists flame.

Asbjörnsen, Pet. Christ., ♂, * 15/1 1812 Christiania, † 6/1 85.

Asbolite, ⊕, earthy cobalt.

Asbury, Francis, pioneer of Amer. Methodism, * 1745 Staffordsh., † 31/3 1816.

Ascalon, or Askulan, ruined ⊙ Palestine, on Mediterr. ⚔ 1192.

Ascaris, or round-worm, parasit. worm in human intestines.

Ascendant, astrol.; in casting horoscope the most easterly star is said to be in the A.

Ascension, Right, ⚳, distance of a celest. body from first point of Aries, measd. upon the equator. Oblique A., ⚳, the arc of the equator interceptd. betw. the first pt. of Aries & the pt. of the equator that rises with a celest. body, reckond. accrdg. to order of the signs.

Ascension, rocky volc. isle in S. Atl. O.; disc. Port. 1501; occupd. by Brit. as nav. station 1815; 34 s.m., 300 inh.

Asch, ⊙ Bohem., 18,300 inh.

Aschaffenburg, Bavar. ⊙ on Aschaff & Main, 15,000 inh., ⚔ 14/7 1866.

Ascham, Roger, schol. & ♂, * 1515 Yorksh., tutor of Q. Elizabeth. Prebend. of York 50, † 30/12 68.

Aschbach, Jos., ♃ ♂, * 20/4 1801, Prof. at Bonn 42, † 25/4 82.

Aschersleben, ⊙ in Prussia, on Eine, 20,000 inh.

Ascherson, P. F. Aug., ♂, * 4/6 1834 Berlin.

Ascidia, zool., class of marine molluscs, calld. sea-squirts, coverd. with elast. tunic, and therefore also known as *tunicata*.

Ascites, ♃, effusn. of fluid into abdomen.

Asclepiadaceæ, ♂, ord. of plnts., chfly. in Amer. & Afr. Some furnish caoutchouc. Incldg. cow-plant, Indian Sarsaparilla.

Asclepiades, ♃, * Prusa, Bithynia, practised in Rome *ca.* 50 B.C.

Ascoli, chf. ⊙ prov. Ascoli Piceno, It., ⛪, on Tronto, cathed., ruins; 23,000 inh.; anctly. Asculum.

Ascue, or Askew, Anne, * 1520, burnt for her Protest. opinions 16/7 1546 Smithfield.

Aselli, or Asellius, Casp., ♃, * Cremona; discvd. lacteals, *ca.* 1622.

Aserbidschan, *v.* Azerbidjan.

Asfandyar, 12th mo. of Parsi year. Namd. after Pers. hero of 5th cent. B.C., s. of Darius Hystaspes, conqrd. Ind. & Arabia; killd. by Rustem.

Asgard, Scand. myth., the fortress of the Asir (*q.v.*).

Asgill, John, * 1658, expelld. from Parlt. for his ✝ opinions, † 1738.

Ash, ♂, *fraxinus excelsior*, tree of ord. *oleaceæ*, common in Engl.

Ashadha, or Shuchi, Hindu month (Cancer).

Ashantee, country of W. Afr. in inter. of Gold Coast, 70,000 s.m., 2,000,000 inh.; forests, gold, grain; polygam., hum. sacrif.; war with Brit. 1824–6, 63, 73–74. Cap. ⊙, Coomassie.

Ashbourne, ⊙ Derbysh., on Dove, 2,100 inh.

Ashburton, ⊙ Devonsh., 2,900 inh.

Ashburton, John Dunning, 1st Lord, * 1731 Ashburton, Chanc. of Duchy of Lancastr. 82, † 83.

Ashburton Treaty, 1846, betw. Brit. & U.S.A. for settlemnt. of frontier.

Ashbury, Jos., ♁, * 1688 London, † 1720 Dublin.

Ashby-de-la-Zouch, ⊙ Leicestersh., 4,700 inh.

Ashdod, *v.* Azotus.

Ashdown, villg. Berksh. ⚔ 871 defeat of Danes.

Ashe, And., Irish flautist, * 1758, † 1838.

Ashford, ⊙ Kent, on Stour, 9,700 inh.

Ashford, Lord, *v.* Bury, Visct.

Ashlar, ▲, squared freestone.

Ashmead-Bartlett, *v.* Bartlett.

Ashmole, Elias, Ψ & herald. ✓, * 23/5 1617 Lichfield, F.R.S. 61, gave Ashmolean Mus. to Oxford Univ. 82, † 18/5 92.

Ashmun, Jehudi, * 1794 Champlain, † 1828, finder. of Liberia 22.

Ashover, ⊙ Derbysh., 4,000 inh.

Ashtaroth, *v.* Astarte.

Ashton-under-Lyne, ⊙ S.E. Lancash., on Tame, cotton, 43,000 inh., ret. 1 memb. Parlt.

Ashvina, Ashvayuja, or Isha, Hindu month (Libra).

Ash Wednesday, Christ. †, first day of Lent; fast institd. 487: anct. custom of penitents to cast ashes on their heads.

Asia, largest contint., 17,500,000 s.m., 700,000,000 inh.; chfly. tableland, but N.W. a lowland plain. *Peninsulas:* Tchukchis, Kamschatka, Corea, Further India, Malacca, India, Arabia, Asia Minor. *Islands:* Kuriles, Saghalien, Japan, Loo-Choos, Formosa, Hainan, Philippines, Moluccas, Nicobars, Andamans, Ceylon, Maldives, Laccadives, Cyprus, Sporades. ▲*s:* Taurus, Lebanon, Sinai, Caucasus, Elbourz, Hindu-Kush, Soliman, Bolor, Himalaya, Ghats, Karakorum, Kuenlun, Nanling, Peling, Jablonoi, Baikal, Thianshan, Ural. ⚓*s:* Obi, Yenesei, Lena, Amoor, Hoango, Yang-tse-kiang, Mekon, Meinam, Salwen, Irawadi, Brahmaputra, Ganges, Indus, Tigris, Euphrates, Amu-Daria, Atrek. *Lakes:* Dead S., Van, Caspian S., Aral, Baikal, Balkash. *Deserts:* Gobi, Arabian. *Flora:* birch, larch, pine, maple, poplar, wild cherry, gentian, rhododendron, corn, rice, olive, cedar, orange, pomegranate, almond, fig, tobacco, poppy, sugar, cotton, plum, peach, grape, apple, pear, walnut, plane, chestnut, melon, peepul, date, oak, sycamore, ginger, banyan, cinnamon, nutmeg, camphor, tree fern, indigo, pepper. *Fauna:* polar bear, camel, horse, ass, ox, dog, cat, sheep, goat, elephant, tiger, cheetah, panther, wolf, jackal, fox, otter, hyæna, antelope, yak, tapir, lion, buffalo, pheasant, monkey, eagle, stork, parrot, flamingo, pelican, boar, crocodile, turtle, tortoise, serpents. Rich in nearly all minerals & prec. stones. *States:* China, Japan, Corea, Annam, Siam, Burmah, Bhootan, Nepaul, Cashmir, Afghanistan, Beluchistan, Persia, Oman, Hadramaut, Borneo, Turan; *Russ.*, Siberia, Saghalien, Armenia; *Brit.*, Cyprus, B. India, Ceylon, Burmah, Singapore, Sarawak, Labuan, Perim, Aden, Andamans, Nicobars, Hong-Kong; *Dutch*, Java, Madura, Sumatra, Borneo, Celebes, Moluccas, Timor; *Span.*, Philippines, Sooloo; *French*, Mahé, Carical, Pondicherry, Chandernagore, Cochin-China; *Port.*, Goa, Salcete, Bardez, Gogola, Timor, Damao, Macao, Taipo; Turk., As. Minor, Armenia, Syria, Palestine, Hedjaz, Yemen, Mesopotamia. *Population:* Hindu, Cingalese, Afghans, Beluchis, Kurds, Turkomans, Armenians, Greeks, Russians, Arabs, Malays, Mongols, Papuans, &c. *Discovery:* Phœnicians to Ophir, 1,000 B.C.; Marco Polo to China, Bengal, 13th cent.; Ibn Batuta to China & Ind., 1324–58; Vasco da Gama to Calicut, 1498; Magaelhens to Philippines, 1521; Beaulieu to Sumatra, 1619; Behring to Siberia, 1725–28; Cook to Kamschatka, 1776–79; Niebuhr in Arabia, 1761–64; Humboldt in Ural, 1829; Forsyth in Kashgar, 73.

Asia Minor, penins. of W. Asia, betw. Black S., S. of Marmora, Egean S., & Mediterr. Turkish. In centre high table-land, ▲ous around. ▲*s*, Taurus, Antitaurus.

⚓s, Kizil, Irmak, Sihon. Prodcts. corn, maize, tobacco, rice, opium, oil, salt, meerschaum. Divd. into 8 vilayets. ⊙s, Smyrna, Broussa, Angora, Sinope, Cæsarea, Koniyeh, Trebizond. As. Min. is practlly. synonym. with Anatolia or Anadoli.

Asiatic Society, 1] of Bengal, fnded. 1784. 2] of Paris, fnded. 1822. 3] Royal A. S. of Grt. Brit. & Irld., incorptd. 11/8 1824.

Asinus, gen. of mammals, ord. *pachydermata*, sub.-ord. *solipedia*, incldg. the ass.

Asir, Scand. myth., the 12 gods & 12 goddesses.

Ask & Embla, the Adam & Eve of Scand. myth.

Aske, Robt., leader of rebellion known as "Pilgrimage of Grace," executd. 1537.

Askew, v. Ascue.

Asmodeus, or Aschmedai, Jew. myth., an evil genius, Beelzebub.

Asmonæans, descendts. of Asmonæus, whose grd.-son Joannes was fath. of Mattathias, fath. of the Maccabees.

Asnik, Ad., Polish lyr. & dram. ✓, † 11/9 1838.

Asoka, Buddhist kng. of N. Ind., * 286, succd. 263, † 226, benev. law-giver.

Asp, anctly. the green Egypt. snake, *el Haje*, wh. was venerated as an emblem of deity. In zool., *chersæa*, or *vipera aspis*.

Asparagus, ✱, gen. of *liliaceæ*. The common edible var. is wild in Cornwall, Russ., &c. Diuretic.

Aspasia, * Miletus, mistress of Pericles, & afterw. wife of Lysicles, 429 B.C. Most intelligent woman of antiquity.

Aspect, astrol., positn. of planets w. respect to one another, as seen from earth.

Aspen, ✱, *populus tremula*, nat. of Britain, ord. *salicineæ*.

Asper, or aspre, orient. coin = *ca.* ½d.; also $\frac{1}{120}$ piastre.

Aspergillus, ✱, gen. of filamentous fungi, incldg. the mould on dead leaves, &c.

Aspern, villg. on Danube, nr. Vienna. ⚔ 21–22/5 1809.

Asphalt, asphaltum, or mineral pitch, ●, a smooth, brittle, brown-black resinous substance, melts at 212°, burns with smoky flame; a prodt. of veget. decompositn. Dead Sea, Trinidad, W. Switz., Asia, &c. Used for paving, & in photog. & etching.

Asphaltites, Lake, the Dead Sea.

Asphodel, ✱, gen. of *liliaceæ*, introd. to Engl. *ca.* 1551.

Asphyxia, ✱, suspended respiration; arrested respiration.

Aspic, 1] cold meat, &c., covd. with jelly. 2] An anct. gun carrying 12 lb. shot.

Aspidium, ✱, shield-fern, gen. of ord. *polypodiaceæ*; 10 Brit. vars.

Aspinwall, or Colon, ⚓ ✈, on isle of Manzanilla, N. coast of Panama, U.S. of Columbia, Centr. Amer. E. termin. of Pan. R. & Canal, 8,500 inh.

Aspirator, ✱, instr. for extracting the contents of tumours, &c., by means of suction.

Asplenium, ✱, spleenwort, ord. *polypodiaceæ*; incldg. wall-rue & 9 other Brit. vars.

Aspromonte, It. ▲; highest point, ▲ Alto, 6,440 ft.

Aspropotamo, the anct. Acheloüs ⚓ (q.v.).

Asrael, Mahom. myth., the angel of death.

Ass, zool., *equus asinus*, nat. of C. Asia; v. Asinus.

Assahan, distr. of Batta country, N.E. Sumatra, 75,000 inh.

Assai, It. = enough, very. ♯, very.

Assam, or Taekha, prov. N.E. Brit. Ind., ceded to Brit. 1826, creatd. separ. prov. 74 under Chf. Commnsnr. Tea, rice, elephants. Area 55,000 s.m., 4,200,000 inh. Hindu & Mahom. Adminis. headqrtrs., Shillong.

Assassins, sect of Ishmaelites, fanat. Mahoms. fnded. 1090 by Hassan-ibn-Sabbah; occupd. Asin

Pers. & Syr., made war against Mahoms. & Crusaders; their chf. the Old Man of the Mts., is said to have excited his followers with hachish, hence the name. Exterminated by Mongols, 1256.

Assaye, villg. Hyderabad, S. Ind., Brit. vict. ⚔ 23/9 1803.

Assaying, ⚗, trying purity of metallic substs., or proportion of metal in an ore.

Assegai, S. African missile weapon; javelin.

Assemani, 1] Jos. Sim., Maronite bibliog. & orient. ✓, * 1687 Syria, † 1768 Rome. 2] Step. E., his neph., libr. of Vatican, † 1782. 3] Sim., grd.-neph. of 1, orient. ✓, † 1821.

Assemblée, Fr. = meeting. *A. Nationale*, the French Parlmt.

Asser, or Ashi, * 353 Babylon, chf. author of Babyl. Talmud, † 426.

Asser, John, †, Monk of St. David's, Bp. of Sherborne, friend of Alfred the Grt., † 910. ✓ "Life of Alfred."

Assessor, ⚖, an assistant to a judge; a valuer.

Asshod, name of 4 kings of Armenia, 855–1023.

Asiento Treaty, betw. Spain & other countries for supply of negroes to S. Amer. With Fran. 1702; with Engl. 1713.

Assignats, Fr. paper money of revol. period; owing to amount issued (45,578,000,000 francs), it became worthless.

Assing, Ludmilla, ✓, * 22/2 1827 Hamburg, † 25/3 80 Florence. Translated Manzoni into Germ.

Assiniboin, ⅄, affluent of Red River, Manitoba.

Assirghar, ⊙ & ⚑ Bombay, Ind., taken by Brit. 1803 & 19; 5,000 inh.

Assisi, episc. ⊙ prov. Perugia, It.; convent; 14,000 inh.

Assize, ⚖, period. visit of judges to try criminals & causes.

Assolant, J. B. Alf., Fr. journ. & rom. ✓, * 1827 Aubusson, † 5/3 86.

Assonance, having same vowel sounds of terminations, but not rhyming.

Assouan, most S. ⊙ Egypt, on Nile, last cataract; 4,000 inh.

Assumption, Rom. C. & Grk. ✝, festiv. celebd. 15/8 in honour of V. Mary's mirac. ascent to heaven; *v.* also Asuncion.

Assynt, parish, West coast of Sutherlandsh., 35 m. × 12, 3,500 inh.

Assyria, anct. ⊙, orient. country inclg. Arrachitis, Assur, Arbelitis, Chalonitis, & Adiabene. ⊙s, Nineveh, Arbela, Apollonia, Ctesiphon. The A. Emp. afterw. incld. A., Mesopotamia, Babylonia, Pers., Media, Bactria, & Syria. 1st kng., Ninus, blt. Nineveh or Ninus, the cap. ⊙. Fall of Nineveh 606 B.C. A. divd. betw. Media & Persia.

Astarte, Phœn., Carthag., & Syr. myth., goddess of the moon. In O. Test., Ashtaroth.

Astbury, John, Eng. potter, * 1678, † 1743; discvd. use of calcined flint in pottery.

Aster, ✿, gen. of *compositæ*, incldg. Michaelm. daisies. Common in all countries, esp. N. Amer.

Asterias, zool., gen. of radiated animals; star-fish.

Asteroids, ✶, small planets, revolvg. round the sun betw. Mars & Jupiter. First four discvd. 1801-7; now over 250 known.

Asterophyllites, ✿, gen. of cryptogamous plants; all are fossil, of carboniferous period.

Asthenia, ✝, absence of strength.

Asthma, ✝, disord. of respir. system; chronic or intermittnt.; attended with cough, &c., often hereditary.

Asti, ⊙ prov. Alessandria, It., on Tanaro; bpric.; cathed. fnd. 1348; silk, sparkling wine; 32,000 inh.

Astigmatism, optics, defect in eyesight wh. perverts the appearce. of a luminous point.

Astle, Thos., Eng. Ψ ✓, * 1734, † 1/12 1803.

Astley, Philip, Eng. equestrian, * 1742, † 1814. Opened A.'s Amphitheatre 1780.

Astolat, Guildford, Surrey.

Astolphus, king of the Lombards, 750–56; deftd. by Pepin.

Aston Manor, ⊙ Warwicksh., nr. Birminghm., 60,200 inh., ret. 1 memb. Parlt.

Astor, John Jac., merch. & philanth., * 17/6 1763 Walldorf, † 29/3 1848 New York, leavg. 20,000,000 dollars. Fnded. A. library in N.Y.

Astorga, anctly. Astúrica Augusta, ⊙ Leon, Sp., besiegd. & captd. by Fr. 21/4 1810.

Astorga, Eman. d', ♫, * 11/12 1681 Palermo, † 1736 nr. Prague.

Astrabad, prov. N.E. Persia on Casp. S. Cap. ⊙ of sm. name, 30,000 inh.

Astræa, Grk. myth., dau. of Zeus & Themis, goddess of Justice; the constelln. Virgo.

Astragal, ⚗, band or mouldg., especlly. round ends of shafts of columns.

Astragalus, anat., the bone by wh. the foot is attachd. to the leg.

Astrakhan, govt. of Europ. Russ., N. of Caspian & Caucasus, unitd. to Russ. Emp. 1554; chfly. waste; 610,000 inh. Its cap. ⊙ of same name, on isle in Volga ⚗; trade, fisheries; archbpric.; 45,000 inh.

Astrakhan, wool of Astrakhan shesp.

Astringent, ♪, contracting, restraining.

Astrocaryum, ✱, gen. of palms, of fam. *cocoinæ*.

Astrolabe, anct. ✱ instr. for takg. altitudes; also a planisphere.

Astrology, science of the stars; superstitious study of celest. phenom. with view to predict future. Originated in Chaldæa.

Astronomy, science of the motion & propties. of celest. bodies.

Astruc, J., Fr. ♪, * 1684, † 1766. ♪.

Astur, zool., gen. of raptor. birds, fam. *falconidæ*, sub-fam. *accipitrinæ*, incldg. goshawk, *A. palumbarius*.

Asturias, anct. prov. Sp., now Oviedo, on B. of Biscay, ⚗ous; horses, maize, figs, olives, oranges. Heir apprnt. of Sp. Crown first calld. Prince of A. 1388. Area 3,686 s.m., 580,000 inh. Cap. ⊙, Oviedo.

Astyages, last king of Media 593–59 B.C., overthrown by Cyrus.

Asuncion, Assumption, cap. ⊙ Paraguay, on Paraguay, S. Amer., fnded. 1535. Trade in maté; 15,000 inh.

A suo commodo, It. = as you like it. ♫.

Asylum, origlly. a sanctuary, *e.g.* temple or altar; now place of shelter for sick, insane, &c.

Asymptote, geom., two lines, one at least of wh. is curved, which continually approach one anoth. but never meet.

Atacama, desert in Chili & Bolivia, in Andes ⚗.

Atacamite, bright green translucent ♁, Chili, Sp., Cornwall.

Ataghan, or yataghan, long curved dagger worn in belt.

Atahualpa, last of the Incas of Peru, s. of Huayna Capac, succd. to kingdom of Quito 1525, later Emp. of Peru; captd. by Hernando Pizarro 16/11 1532, executd. 29/8 33.

Ataide, Dom Lois de, Port. viceroy of Ind. 1568–80.

Atair, ✱, brightest star in Aquila.

Atalanta, class. myth., virgin of Bœotia, deftd. in a race by Hippomenes, who droppd. apple to delay her; changd. into lion.

Atalantis, same as Atlantis.

Ataman, v. Hetman.

Ata-Melik al-Jowaini, Alaeddin, Pers. ♛ /, * 1226, † 1282.

Ataulf, or Athaulf, kng. of Visigoths, succd. Alaric 410, assassd. 15.

Atavism, the reversion of a descendant to an ancestral peculiarity.

Ataxy, ♪, functional irregularty.

Atbara, or Tacazze ⚓, affint. of Nile.

Atcheen, or Acheen, anctly. a petty kingdom in Sumatra; partly conqd. 1873 by Dutch; 500,000 inh.

Atcheson, numism., copper coin washd. with silver, struck by James VI. of Scotl., = ¾d. Eng.

Ate, Grk. myth., goddess of mischief, or vengeance.

Ateles, zool., gen. of *quadrumana;* spider-monkeys; S. Amer.

Atellanæ Fabulæ, or Ludi Osci, Oscan character-plays in anct. Italy; origin of pantomime. From Atella, ⊙ Campania.

A tempo, ♪, It., revert to origl. movement. *A. T. giusta,* in strict, proper time.

Ath, ⊙ & ✠ Hainault, Belg., on Dender, held by Fr. 1667–78, 12,000 inh.

Athabasca, ⚓, lake, & provisnl. distr. in W. Canada. ⚓ ris. Rocky ⛰, falls into lake, 230 m. × 20 m. Distr. 122,000 s.m., 7,000 inh.

Athaliah, Q. of Judah, dau. of Ahab, wife of Joram.

Athanagilde, kng. of Sp. Goths 554–67.

Athanaric, chief of the Goths, electd. kng. 378, † 81.

Athanas, zool., gen. of crustaceans, fam. *alpheidæ,* incldg. Montague's shrimp.

Athanasia, immortality.

Athanasian Creed, probly. composd. about midd. of 5th cent., fnded. on creed in writgs. of St. Athanasius; ascribd. to Vincentius Lerinensis, Hilarius Arelatensis, &c.

Athanasius, St., † ✓, * 296 Alexandria, † 2/5 373, bp. of Alexandria, opposd. Arius.

Atharvana, the 4th of the Ind. Vedas.

Atheism, denial of existence of God.

Atheling, or Ætheling = nobly born; title among Anglo-Saxons.

Athelney, Isle of, marsh at junct. of Tone & Parret, Somersetsh., refuge of Alfred the Grt., 878; now drained.

Athelstan, or Æthelstan, Sax. king of Engl., * 895, succd. 925, vict. ✕ Brunanburh 937, † 941.

Athenæum, lit., temple of Athena; a literary club or academy. 2] Eng. ✓ periodical 1807–9. Journal wh. now bears the name was founded in 1829.

Athenæus, Grk. rhetor., *ca.* 200. ✓ "Deipnosophistoi."

Athenagoras of Athens, Christ. ✠, *ca.* 177.

Athenais, Grk. Empress & ✓, m. Emp. Theodosius II., † 460, banished.

Athene, Pallas, or Athena; Minerva (*q.v.*).

Athenry, ⊙ Galway, Irld., ✕ 1316; Eng. deft. the O'Connors.

Athens, 1] cap. ⊙ Greece, nr. E. shore of G. of Egina; bpric., univ.; fnded. *ca.* 1550 B.C.; occupd. by Turk. 1455–1832; ruins; 54,000 inh. Its harb. Piræus, or Porto Leone. 2] ⊙ Georgia, U.S.A., on Oconee; Univ. of Georgia. 3] ⊙ Ohio, U.S.A., on Hockhocking.

Atherospermaceæ, ✿, plume nutmegs.

Atherstone, Edw., Eng. poet. ✓, * 17/4 1788 Nottingham, † 29/1 1872. "Fall of Nineveh."

Atherton, ⊙ Lancash., 12,650 inh.

Athias, Rabbi Jos., typog., † 1700 Amsterdam.

Athlone, ⊙ Westmeath & Roscommon, Irld., on Shannon; taken by Engl. 1691; ✕ statn.; 7,000 inh.

Athlone, Godart de Ginkell, Earl of, * 1640, general, † 1720.

Athole, distr., Perthsh., Scotl., *ca.* 450 s.m., fine scenery.

Athor, Egypt. myth., Venus.

Athos, now Monte Santo, ▲ Macedon, on G. of Contessa; Grk. convents. Anct. ⊙, Acte.

Athy, ⊙ Kildare, Irld., burnt 1308, taken. by Robt Bruce 1315; 6,000 inh.

Atkinson, 1] T. W., travlr., * 6/3 1799 Yorksh., † 13/8 1861. 2] Rev. John Christopher, Ψ ✓, * 1814 Goldhanger.

Atlanta, cap. ⊙ Georgia, U.S.A., 26,000 inh. ✕s 1864.

Atlantes, ▲, figures or half-figs. usd. in place of columns.

Atlantic Ocean, betw. Afr. & Eur. & Amer., divd. by equator into N. & S. A., *ca.* 9,000 × 2,700 m., or 25,000,000 s.m.; has been sounded to 28,250 ft., but is much deeper. Stormy. Coast line 52,000 m. Gulf Stream.

Atlantides, class. myth., daus. of Atlas; 7 calld. Pleiades were transformd. into a constellatn. of that name.

Atlantis, or Atalantica, anct. ○, isle mentnd. by Plato, &c., as lying off Pillars of Hercules in Atl. O. Possibly now a sunken continent.

Atlas, 1] class. myth., kng. of Mauritania, changd. into ▲ of sm. name, & doomed to support the heavens. 2] Name first givn. to a collectn. of maps by Mercator. 3] zool. A. Beetle. *chalcosoma atlas*, green, three inch. long; the East. 4] ▲, N. Afr., betw. Sahara & Mediterr., highest pk. ▲ Miltsin, Morocco, 11,400 ft.

Atlay, Dr. James, bp. Hereford 68, • 1817 Wakerley.

Atmidometer, instr. for measg. evaporation.

Atmosphere, *v.* Air.

Atoll, ⊛, an annular coral reef.

Atom, an ultimate & indivisible particle of matter. ⚗. *ca.* 70 diff. kinds of atoms; A. of hydrogen gas, lightest of all, & used as standard of comparisn. Atomic theory enunciatd. by John Dalton, 1808–10; that since elemts. combine only in cert. fixd. proportns., their ult. atoms must bear to one anothr. the sm. relationship of weight.

Atony, ✱, want of tone in the system.

Atooi or Atowai, one of Sandwich Isles, 590 s.m., 10,000 inh., ports Waimea, Hanalei.

Atossa, Q. of Cambyses & Darius Hystaspes, & mother of Xerxes.

A tout, Fr., trump at cards.

Atrato, ⅄, Columbia, S. Amer., flows 250 m. to G. of Darien.

Atrek, ⅄, Pers., ris. Hazar Masjid, flows to Caspian.

Atreus, Grk. myth., s. of Pelops, king of Mycenæ, killd. by Ægistheus.

Atrium, covd. court of anct. Rom. house, with *impluvium* or cistern in centre.

Atropa Belladonna, ✱, gen. of *solanaceæ;* deadly nightshade or dwale; common in Eng.

Atrophy, ✱, wasting away.

Atropine, ⚗, $C_{17}H_{23}NO_3$, organ. base obtnd. from deadly nightshade; colourless crys. needles; dilates pupil of eye.

Atropos, Grk. myth., one of 3 Parcæ or Fates, who cut the thread of life.

Atshinsk, or Achinsk, ⊙ govt. Tobolsk, Siberia, on Atshin; fnded. 1782.

Attacca, 𝄆, direction that next movement shall follow without pause.

Attaché, a technical assistant to an ambassador or minister.

Attacus, zool., gen. of moths, fam. *bombycidæ*, incldg. ailanthus silkworm.

Attainder, Eng. ⚖, a consequence of convictn. for treason or felony, formly. involvg. forfeitr. of lands, &c. Abolished 1843, &c. An Act of A. has the same effect, & is an Act of Parlt., but is practically. obsol. Great Act of A., Irld., 1689, attaintg. supporters of William III.

Attalea, ✱, gen. of palms, section *cocoinæ*, S. Amer., incldg. piassaba & cahoun.

Attalus, name of a genl. of Alex. the Grt., & of 3 kngs. of Pergamos, 241–133 B.C.

Attar, or Otto, of Rose, essent. oil of roses, chfly. prepard. Ind., Turk., & Pers. Perfume. 100,000 roses give only 180 grs. *Attar-gul* =attar of roses.

Attar Ferid Ud-din, Pers. poet. ✓, • 1120 Nisapur, † 1221.

Atterbom, P. D. Amad., Swed. poet. ✓, • 19/1 1790 Asbo, † 21/7 1855.

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Atterbury, Francis, bp. of Rochester, polit. & †, * Milton 1662, Bp. of R. 1713, supportr. of Pretender, imprisnd. 22, deprvd. & exild. 23, † 22/2 32 Paris.

Attersee, lake, Uppr. Austria.

Attic, ⊼, a plain or decoratd. parapet-wall terminatg. upper part of a façade; ordinly. uppr. room, room in roof.

Attica, divsn. of anct. Greece, cap. ⊙, Athens; now, with Bœotia, a govt. of Greece; 190,000 inh.

Atticus, Titus Pomponius, Rom. schol., friend of Cicero, * 109 B.C., † 32.

Attila, kng. of the Huns, s. of Mundzuk, * 406, succd. 433 with his broth. Bleda, whom he killd. 444; invd. Rom. Emp., Gaul 451, deftd. by Ætius at Chalons; enterd. Italy 452, but persuad. by Pope Leo I. to retire; † 453. "The Scourge of God." Hero of Sagas as "Etzel."

Attinghausen, Werner v., Swiss patriot, 13th cent.

Attius, or Accius, Luc., Rom. trag. ✓, *ca.* 140 B.C.

Attock, ⊙ & ⛩ Punjaub, Brit. Ind., on Indus; built 1583 by Akbar.

Attorney, Eng. ⚖, formly. practitionr. in Supr. Comm. Law Crts. at Westminster, now, by Jud. Act 1873, a Solicitor of the Supreme Court. A.-General, Engld. & Irld., chf. law offcr. of Crown. Power of A., warrant empowring. person to act for another.

Attraction, nat. philos., a tendency of bodies to approach one another. Capillary A., the attraction exercised by a hair-tube on a liquid within it.

Attwood, 1] Geo., Eng. math., * 1754, † 1807. 2] Thos., Eng. ♪, * 1767, orgst. of St. Paul's 96, † 1838. 3] Willm., polit. ✓, Chf. Just. of New York, 18th cent.

Atya, zool., gen. of crustaceans, *formg.* sub-divis. of shrimp family.

Atzel, or Etzel, *v.* Attila.

Aubagne, ⊙ Bouches-du-Rhône, coal, Fr.; 7,000 inh.

Aubaine, Droit d', Fr. law by which goods of alien dying in Fr. escheated to Fr. crown; repealed 1819.

Aube, departmt. Fr., embracg. pt. of Champagne & Burgundy, 2,317 s.m., 260,000 inh.; cap. ⊙, Troyes. ⚓ A., ris. in Hte. Marne, flows 113 m. into Seine.

Auber, Dan. Fr. Esp., ♪, * 29/1 1782 Caen, 13/5 † 1871. *Masaniello,* 28, *Fra Diavolo* 30, *Domino Noir* 37, *Diamants de la Couronne* 41, &c.

Aubigné, Theod. Agrippa d', prot. schol. & statesm., * 1550 St. Maury, † 29/4 1630 Geneva. ✓.

Aublet, J. B. C. F., Fr. ✉ ✓, * 1720, † 1778. His collectn. in Brit. Mus.

Aubrey, J., Eng. Ψ & topog. ✓, * 12/3 1626 Easton Piers, † 7/6 97 Oxford.

Aubry de Montdidier, Fr. knt., slain 1371 by Rich. de Macaire.

Auburn, chf. ⊙ Cayuga Co., New York, U.S.A., prison, fnded. 1816; 21,000 inh.

Aubusson, ⊙ Creuse, Fr., on Creuse, carpets; 6,000 inh.

Aubusson, Pierre d', * 1423, electd. Grnd.-Mastr. of Rhodes 76, deftd. the Turks, † 1481.

A.U.C., Lat. *Anno Urbis Condita* = from the year of the founding of the city (Rome).

Auch, cap. ⊙ Gers, Fr., archbpric., 14,000 inh.

Auchenia, zool., gen. of ruminants of fam. *camelidæ,* incldg. llamas.

Auchmuty, Sir Sam., Brit. genl., * 1756, captd. Montevideo, Java, & Batavia, † 1822.

Auchterarder, ⊙ Perthshire, Scot., 3,000 inh. Here originated the disruption of Church of Scotl., 1843.

Auckland, 1] Wm. Eden, Lord, diplom., * 1745, † 28/5 1814. 2] His son Geo., * 25/8 1784, 1835–8 Gov.-Gen. of Ind., 46 1st Lord of Adm., † 1/1 49.

Auckland, N. Co. of New Zealand, N. pt. of N. isld., 400 × 200 m., 64,000 inh. Cap. ⊙, A., port, 3rd town in N.Z., great trade, 13,500 inh. Fnded. 1841.

Auckland Isles, volc. group 200 m. S. of N. Zealand, discvd. by Briscoe 1806, good harbour.

Au contraire, Fr. = on the contrary.

Au courant, Fr., suppld. with latest information concerning.

Auction, sale by a process of incrsg. competitive bids, conducted by auctioneer, whose trade is in Engl. regulated by A. of Parlt. He pays £10 per ann. for his licence. Dutch A. is the offering for sale at a price which is gradually reduced by the auctioneer, who in this case must have a hawker's licence.

Aucuba, ✱, gen. of *cornaceæ*, comm. in Eng. gardens.

Aude, departmt. S. Fr., on Mediterr., 2,438 s.m., 304,000 inh., cap. ⊙, Carcassonne. ⚓ A. rises in Pyren., flows into Mediterr., 137 m.

Audebert, 1] Germ. travlr. in Madagas., * 1848 Dillingen. ✓.

2] J. B., * 1759 Rochefort, † 1800, ● & naturalist. ✓.

Audhumla, Scand. myth., the cow that nourished Ymir.

Audiffret-Pasquier, E. A. Gast., Duc d', statesm., * 1815 Paris, Pres. of Nat. Assemb. 75, of Senate 76, Academician 78.

Auditor, an examiner of accounts, &c.

Auditory Nerve, or Acoustic Nerve, enters ear by inter.-auditory canal & divides & subdivides. A. Canal, external opening of ear. A. Artery, branch of internal carotid, feedg. the brain.

Audley, Thos., Lord Audley of Walden, * 1488 Earl's Colne, Essex, Chancellor 1533, endowed Magdalen Coll., Oxford, † 1544.

Audouin, J. V., zool., * 27/4 1797 Paris, † 9/11 81. ✓.

Audran, Ger., etcher, * 2/8 1640 Lyons, † 26/7 1703 Paris. His fath. Claude, & his nephs. Ben. & Jean were also distngd. etchers.

Audubon, J. James, Amer. ornith. & ●, * 1781 Louisiana, U.S., † 1851 nr. New York. ✓ "Birds of America," &c.

Aue, Hartmann von, Germ. minnesinger & epic ✓, * 1170, † 1215.

Auer, Aloys., * 11/5 1813 Wels, ✓, Dir. of Imp. Printing Off., Vienna, 41, † 10/7 69.

Auerbach, ⊙ Sax., 6,300 inh.

Auerbach, Berthold, Germ. rom. ✓, of Jew. lineage, * Nordstetten, 28/2 1812, † 8/2 1882 Cannes.

Auersperg, 1] Ant. Alex., Ct. v. (Anastasius Grün), Austr. poet. ✓, * 11/4 1806 Laibach, † 12/9 1876 Gratz. 2] Charles G. P., Prince, Dk. of Gottschee, Austr. statesm. * 1/5 1814. 3] His brother, Adolph. W. D., Prince A., * 21/7 1821, statesm., Prime Min. 25/11 71, retird. 79, † 5/1 85.

Auerstädt, villg. Prussia, ✕ 14/10 1806.

Auerswald, von, 1] H. A. E., Pruss. statesm., * 9/10 1792, † 1848. 2] Rudolph, * 1/9 1795, minister 48–50, 58–62, † 15/1 65. 3] His brothr. Alf., * 16/12 1797, Min. of Inter. 48, † 3/7 1870.

Au fait, Fr. = skilful, conversant with.

Aufrecht, Theod., * 7/1 1822, Prof. Sanse., Bonn 75. ✓.

Augeas, Grk. myth., king of Elis, had 3,000 oxen kept in stable, wh. Hercules cleansed by turning ⚓s Peneus & Alpheus through them.

Auger, Athan., * 12/12 1734 Paris, † 7/2 92, transltr. of Grk. & Lat. class. ✓.

Augereau, P. F. C., Fren. marsh., * 11/11 1757 Paris, dk. of Castiglione 1804, govr. of Berlin 13, peer of Fr. 14, † 11/6 16 La Houssaye.

Aughrim, villg. Galway, Irlnd., ✕ 12/7 1691.

Augier, G. V. Émile, Fr. ✓, * 17/9 1826 Valence, Academician 31/3 57, poet. ✓.

Augite, or pyroxene, class of ⊕s crystallisg. in oblique prisms; silicates of calcium, magnes., & iron, usually green & glassy.

Augmentation, ♪, doubling in value of notes of melody of fugue or canon.

Augsburg, cap. ⊙ Suabia & Neuburg, Bavar., 61,500 inh., cathed., observ.: fnded. 14 B.C. as Augusta Vindelicorum.

Augsburg, Confession of, Lutheran conf., drawn up by Melanchthon 1530, presentd. to Emp. Charles V. 25/6.

Augsburg, Peace of, betw. Prots. & R. Caths., 1555.

Augur, Rom. priest who prophesied by divination from flight of birds, &c. Origlly. 2, aftwds. 9.

August, 8th mo. of year, origlly. 6th. A.-S., *weod-monath;* origlly. 28 days, now 31.

Augusta, M. L. A., Q. of Pruss., Emp. of Germ., dau. of Grnd.-Dk. Ch. Fredk. of Weimar, * 30/9 1811, m. Prce. William, now Emp. Germ., 11/7 29.

Augusta, 1] cap. ⊙ Maine, U.S.A., 3,000 inh. 2] ⊙ Georgia, U.S.A., on Savannah, 25,000 inh. 3] Rom. name for London. 4] *v.* Augsburg.

Augustan Age, the flourishg. per. of Rom. ✓, under Augustus.

Augustine, Aurel. (St.), Christ. †, * 13/11 354 Tagaste, bp. of Hippo 97, † 28/8 430 Hippo. ✓ "Confessions," "City of God."

Augustines, sev. monast. ords. in R. Cath. Ch., receivd. rules from St. A.

Augustin, or Austin, St., first Archbp. of Canterbury, Rom. priest sent to Brit. by Gregory the Grt., 596, † 26/5 607 Cant.

Augustulus, Romulus, last Emp. of the West, crushd. by Odoacer 476.

Augustus, Caius Octavianus, 1st Emp. of Rome, s. of Octavius & Atia, * 23/9 63 B.C., succd. J. Cæsar 44 B.C., Emp. 27, patrond. art & lit., extended emp., † 19/8 14 A.D. Nola.

Augustus, 1] A. I., Elect. Sax., * 21/7 1526, succd. 53, † 12/2 86. 2] A. II., Fredk., Elect. Sax., The Strong, * 12/5 1670, succd. 94, became a R. C. 97 to win Poland, deftd. by Charles XII. of Swed. ⚔ Pultusk 1703, & drivn. out of Polnd., restord. 1709, † 1/2 33. 3] A. III., Fredk., * 7/10 1696, succd. in Sax. 1733, in Polnd. 36; govnd. by Ct. Bruhl; overthrown by Fredk. the Grt. 56, † 5/10 63. 4] A. Wm., Prce. of Pruss., brothr. Fredk. the Grt., * 9/8 1714, † 12/6 58; fathr. of Fredk. Wm. II. 5] A., Prce. of Wurtemberg, Pruss. Genl., * 24/1 1813, command. Guards Corps at ⚔ St. Privat, 18/8 70; retird. 82. 6] A. Fredk., Dk. of Sussex, 6th son of George III., * 1773, † 1843. Pres. of Royal Soc.

Auk, zool., *alcidæ,* gen. of birds of ord. *natatores.* Grt. A., or garefowl, recently extinct; Little A. comm. in Arctic Seas.

Aula Regis, court establd. by Wm. the Conq., ultimtly. developd. into Star Chamber (*q.v.*).

Auldearn, village, Nairn, Scotland. ⚔ 9/5 1645, Montrose defeated Covenanters.

Aulic Council, one of the supr. courts of old Holy Roman Empire, establd. 1501.

Aulich, L., revol. Hung. genl., * 1792 Presburg, hangd. 6/10 1849 Arad.

Aulis, anct. ⊙, distr. in Bœotia, on Ægean S., where Agamemnon collected Grk. fleet against Troy.

Aulus, anct. Grk. flute; Auletes, a flute-player.

Aulus Gellius, Rom. crit. & gram. ✓, ca. 100. "Attic Nights."

Aulus Plautius, Rom. genl. in Brit. 43–50. Said to have fnded. London.

Aumale, formerly Albemarle, small ⊙ Seine Inf., Fr.

Aumale, Henri E. Phil. L. d'Orleans, Duc d'; 4th s. of Louis Philippe, * 16/1 1822 Paris, Gov. of Algiers 47. ✓.

Aurangabad, ⊙ Haidarabad, Ind., derivs. name from Aurangzebe, Mog. Emp.; ruins; 50,000 inh.

Aurangzebe, Mog. Emp. of Hindustan, s. of Shah Jehan, * 20/10 1619, deposd. his fath. 58, reignd. well, † 21/2 1707.

Aurantiaceæ ✿, nat. ord. incl. orange, lemon; E. Ind., &c.

Auray, ⚔ 28/9 1364, Eng. deftd. French.

Aurelia, entom., chrysalis; pupa.

Aurelianus, Luc. Domit., * Pannonia 212, proclmd. Emp. of Rom. 270, captd. Q. Zenobia & Tetricus, assassd. 75. Blt. walls of Rome.

Aurelius, 1] Antonin. Marc., Emp. Rom., adoptd. s. of Antonin. Pius, * 121, succd., with Luc. Aur. Verus, 161, † 180. ✍ ✓, "Meditations." 2] Sextus A. Victor, Rom. ✍ ✓, 4th cent.

Aurelles de Paladine, L. J. B. d', Fr. genl., * 9/1 1804; command. army of Loire 70; reoccupd. Orleans 10/11, † 17/2 77. ✓.

Aureola, Lat.=golden: a glory surroundg. conventional pictures of saints: nimbus.

Aureus, or denarius aureus, a Rom. coin of gold=25 silver denarii =100 sestertii. A. of Augustus weighd. *ca.* 121 grs. Troy.

Au revoir, Fr.=till we meet again; good-bye for the present.

Auricle, ✱, the external part of the ear: one of the two small cavities of the heart.

Auricula, ✿, *primula auricula*, nat. of Alps, cultivd. in Eng. In zool., gen. of plnt.-eating trachelipods, incldg. Midas's Ear.

Auriga, the charioteer or waggoner, ✱, constelln. nr. N. Pole, contains Capella, star of 1st magn., 1 of 2nd, & 3 of 3rd & 4th.

Aurigny, ✿ Alderney.

Aurillac, cap. ⊙ Cantal, Fr., 12,000 inh.

Aurochs, zool., Eng. name of *bison priscus*, ord. *ruminantia*, fam. *boridæ*, fnd. in Lithuania.

Aurora Borealis, Northern or Polar Lights or Streamers, atmosph. phenom., genlly. in N. sky, resemblg. dawn; visible in high latitudes; origin electrical but unexplained.

Auschwitz, or Oswiecim, ⊙ Galicia, 4,800 inh., ⚔ 27/6 1866.

Auscultation, ✱, listeng. to action of inter. organs of body by means of unassistd. ear or stethoscope; latter introd. 1819 by Laënnec.

Ausonians, anct. ☺, Ital. people in Lucania & Campania.

Ausonius, Dec. Magn., Rom. poet. ✓, * 304. † 395.

Aussig, ⊙ Bohem. on Elbe, 16,500 inh.

Austen, Jane, Eng. novel ✓, * 16/12 1775, † 24/7 1817. "Pride & Prejudice."

Auster, the S. wind; sirocco.

Austerlitz, or Slavkow, ⊙ Moravia, Austr., ⚔ Napol. deftd. Austr. & Russ. 2/12 1805, palace, 2,500 inh.

Austin, 1] Sarah, Eng. essay ✓, * 1793, † 8/8 1867; transl. Ranke's "Hist. of the Popes." 2] Alfred, Eng. poet. & rom. ✓, * *ca.* 1834 Devonsh. 3] John, Eng. ✍ ✓, * 1790, † 1859 Weybridge.

Australasia, gen. name of all lands & islands to S. & S.E. of Asia, incldg. Australia, N. Zealand, N. Guinea, &c.

Australia, the smallest continent, an isle betw. the Pacif. & Ind. Os., 2,400×2,000 m., ar. 3,000,000 s.m., 2,700,000 inh. Belongs to Brit. Minerals, wheat, cattle. 1st Brit. settlemt. Port Jackson (Sydney) 1788. *Divisions:* New South Wales, W. Australia, S. Australia, Victoria, Queensland (*q.v.*). *Clim.* genlly. temperate, but hot in N. *Bays:* Carpentaria, Press. Charlotte, Halifax, Broadsea, Port Curtis, Hervey, Moreton, Clarence, Macquarie, Pt. Jackson, Botany, Jervis, Pt. Philip, Encounter, Discovery. *Rs:* Blue, Austral. Alps, Liverpool, Warrego. *Ls:* Murray,

Darling. *Lakes:* Torrens, Gregory. Eyre. *Flora:* gum-tree, tea-tree, wattle, grass-tree, yellow-wood, cedar, palm, orchids. *Fauna:* kangaroo, dingo, cassowary, black swan, parrots, tortoise, turtle. *Aborigines:* Melanesians, cannibals. ⊙*s:* Sydney, Melbourne, Brisbane, Perth, Bathurst, Newcastle. *Discovery:* Godinho de Eredia at Cape Van Diemen 1601, Dutch in G. of Carpentaria 1606, Cook on E. Coast 1770, Maclure on N. coast 1791, Bass 1797, Flinders 1799, Sturt 1828–9, Eyre in interior 39–40, Gregory 58–61, Leichhardt 44–47, Burke in interior 60, Giles 72.

Australian Colonies Act, 1850, regulatng. Austral. administratn.

Austrasia, E. pt. of old Fr. monarchy; until 752 separ. kngdm.; incld. Lorraine, Belgium, Auvergne. Cap. ⊙, Metz.

Austria, the Austro-Hungarian monarchy, a Europ. empire, consisting of emp. of Austria & kingdom of Hungary, with 1,200 m. of coast on Adriatic, & divd. into Trans-Leithan provs. (Hungary, Transylvania, Croatia, Slavonia), & Cis-Leithan provs. (Uppr. & Lowr. Austria, Salzburg, Styria, Carinthia, Carniola, Coast Distr., Tyrol, Bohemia, Moravia, Silesia, Galicia, Bukowina, & Dalmatia. Turk. provs. of Bosnia & Herzegovina are occupd. by Austr. under Berlin Treaty 1878. Area of whole 267,940 s.m., 39,000,000 inh., Germ., Czech, Marav, Slovack, Ruthenian, Pol., Croat, Serv., Slav, Magyar, Roman, Ital., Turk., Bulgar., Gipsy, Jew. Chf. relig. R. C. ⛰*s:* Alps, Carpathians, Erz, Sudeten, Transylvanian Alps. *s:* Danube, Inn, Enns, Leitha, Raab, Traun, Drave, Mur, Save, Waag, Gran, Theiss, Maros, Bega, Aluta, Sereth, Pruth, Dnjester, Bug, Elbe, Iser, Moldavia, Etsch. *Lakes:* Garda, Boden, Traun, Neusiedler, Platten. *Products:* wheat, wine, hops, iron, salt, zinc, copper, tobacco, cattle, silk, honey, wood, coal, gold, quicksilver, graphite, tin. *Cap.* ⊙*s:* Aust., Vienna; Hung., Buda-Pesth; ⊙*s:* Prague, Triest, Lemberg, Gratz, Brunn, Szegedin, Cracow, Maria Theresiopel, Debreczin, Presburg, Czernowitz, Linz, Pilsen, Arad, Temesvar, Grosswardein. *History:* Ostmark fnded. 955; Count Leopold 983; battles with Hungary; Margravate 17/9 1156; Duchy 1246; Dk. Ottokar 1251; addition of Bohemia & Morav. 1253; occupatn. of Carinthia & Carniola 1269; divisn. of Austr. under sons of Emp. Rudolph; Archduchy 3/1 1453; Germ. Emp. Maximilian 1493–1519; increase of territ.; war with Turk.; foundatn. of line of Habsburg by Ferd. I. 1521; Marie Theresa 1740; war with Pruss.; Joseph II. 1765–90; war with France 1813; revol. 48; war with It. 59; war with Pruss. 66; Emperor, Franz Josef I. succd. 2/12 1848. Revenue *ca.* £77,000,000; expend. *ca.* £80,000,000, debt *ca.* £455,000,000. R. 12,000 m., teleg. 32,000 m. Navy *ca.* 70 vessels, 300 guns, 10,000 men; army, peace, 268,031 men & 17,788 off.; war, 1,031,621 men & 32,686 off.

Austrian Succession, War of the, 1741–48, causd. by death of Emp. Charles IV. without male issue.

Authorised Version of Bible, Engl. trans. made 1607–10 by 47 †s, published 1611.

Autochthon, an aborigine, man, anim., or plnt.

Autocracy, govt. by the will of one.

Auto-da-fé, Port. = act of faith, ceremon. at execution of heretics condemned to be burnt in Sp. & Port. First in Sp. 1481, last 1818.

Automaton, a self-moving machine to imitate the results of anim. exertion, *e.g.* A. pigeon of Archytas of Tarentum 400 B.C.; A. eagle of Regiomontanus; A. duck of Vaucanson. A. chess-player of Kempelen was not really an A., for a man was concealed in it.

Autonomy, polit., self-government.

Autotypography, methd. invented by Wallis, by wh. drawings or photos on gelatine can be transferred to soft metal plates for printing.

Autumn, 3rd seas. of the year, begins at autumn equinox & ends at winter solstice, but popularly made to incl. Aug., Sept., & Oct.

Autumn Equinox, ♎, season when the sun enters Libra, *ca.* 23/9.

Autun, ⊙ Saone-et-Loire, Fr., anctly. Bibracte, ruins, bishopric, cathed., 10,500 inh.

Auvergne, anct. prov. of Fr., nearly incldg. depts. of Cantal & Puy-de-Dôme. ▲s, Puy de Sancy 6,200 ft., Plomb du Cantal. ⛰s, Allier, Dordogne, Doré; 850,000 inh. Belonged 511 to Austrasia, 630 to Aquitaine, 768 to France.

Auvergne, T. M. de la Tour d', Fr. genl., grt.-neph. of Marsh. Turenne, ✶ 1743, † 1800, ⚔ Oberhausen. Philol. ⁄.

Auvernas, wine made near Orleans from black raisins.

Auwers, Arth., ♐, ✶ 1838 Gottingen. ⁄.

Auxerre, cap. ⊙ Yonne, Fr., cathed., palace, church of St. Germain, mnfs. violin strings, wool; 13,500 inh.

Auxonne, ⊙ & ⛨ Côte d'Or, Fr., on Saône, fortfd. 1673 by Vauban; wine, grain; 6,000 inh.

Auzout, Adr., Fr. ♐ & math. ⁄. 17th cent.

Ava, ❀, a liliaceous plnt. of Sandwich Isles. An intox. liquor distilled from the plnt.: ardent spirits.

Ava, ⊙ Burmah, once cap., now ruined; earthqk. 1839.

Avalanche, a mass of ice & snow fallg. from a ▲.

Avalon, in mediev. rom., Glastonbury.

Avalona, Avlona, or Valona, ⊙ Albania, on Adriat., 6,000 inh.

Avant-coureur, Fr. = forerunner. One despatched ahead to prepare approach.

Avant-la-lettre, impressn. of etchg. or engravg. taken before description or title has been appended to the plate.

Avatar, Sanscr. = descent; incarnation of Hindu deities.

Avebury, or Abury, villg. N. Wiltsh., Eng., Celtic ruind. temple.

Aveiro, ⊙ prov. Beira, Port., on Vouga, 5,500 inh.

Ave-Lallement, Fr. Chr. Bened., ⁄, ✶ 23/5 1809 Lubeck.

Avellaneda, Donna Gertrud. Gomez de, Spanish poet. ⁄, ✶ 1816 Puerto Principe. Novels, dramas.

Avellino, ⊙ Ital., 23,000 inh., convent, Monte Vergine.

Avellino, Fr. Mar., Ψ, numism., ✶ 14/8 1788 Naples, † 9/1 1850. Dir. of Bourbon Mus. at Naples.

Ave Maria, Lat. = Hail Mary. R.C. ✝, a prayer to the V. Mary, used in sayg. rosary. The smaller beads of a rosary.

Avena, ❀, gen. of grasses, incl. yellow oat, oat, black oat. Commn. in Brit.

Avenio, anct. ⊙, Avignon.

Avens, ❀, plnts. of gen. *geum*, incldg. water-avens.

Aventine, one of the hills on which Rome was built.

Aventurine, ◆, a vitreous quartz, sprinkled with scales of mica. Spain.

Avenzohar, name of 2 Arab. ⁄s, Sp., 12th cent. ⁄s.

Averanches, Henry d', Poet-Laur., to Henry III.

Avernus, now Averno, lake in Campania, It. Crater of extinct volcano. Class. myth., entrce. to infern. regions; said to be fatal to birds.

Averrhoes (Ibn Roschd), Moor. ⁄, ✶ Cordova 1120, † 1198, translator & commentr. of Aristotle.

Aversa, anctly. Atella, Ital. ⊙, 21,000 inh., wine.

Aves, Lat. = birds. Zool., the class of birds, the 2nd class of sub-kingdom *vertebrata*.

Aveyron, department S. Fr., ▲ous., 3,378 s.m., 415,000 inh.; cap. ⊙, Rodez. ⛰ A. ris. in Cevennes, flows 155 m. into Tarn.

Avicenna (Ibn Sina), celebr. Arab. ♃ & ☉, * 980 Kharmatin, † 1037 Ispahan. ✓.

Aviculidæ, zool., wing-shells, pearl oysters; class *conchifera*, sect. *asiphonida*; molluscs.

Avignon, archep. ⊙ Vaucluse, Fr., on Rhone; palace residce. of Popes 1305–77, 28,000 inh., cathed. 12th cent.

Avila, cap. ⊙ prov. Avila, Old Castile, Sp., bpric., cathed., 6,500 inh.

Avila, 1] Alonso, Sp. explor., with Cortes in Mex., † *ca.* 1530. **2]** Sancho de A., Sp. genl., * 1528, vict. ✕ Mook 74, † 83.

Aviso, in foreign navies, light, swift vessel for carrying despatches.

Avitus, Marc. Mæcil., Rom. Emp. of West, abdicd. 456, † 57.

Avocado, ♂, *persea gratissima*, alligator pear, avigato, or sabacca of W. Ind.

Avocet, or Avoset, zool., Eng. name of gen. of *scolopacidæ* or snipes, sub-fam. *totaninæ*, now rare in Brit.

Avoira, or Avarra, ♂, S. Amer. name for palms of gen. *astrocaryum*.

Avoirdupois, meas. of weight in wh. 1 lb. = 16 oz. = 7,000 grs. Troy: used in Brit. for everything except precious mets., jewels, & medicines; 1 lb. = 453·52 grammes.

Avon, name of many Brit. ♃s, & some French. Shakespeare's A. ris. in N.W. Northamptonsh., & joins Severn at Tewkesbury.

Avonmore, Barry Yelverton, 1st Visct., ♃, * 1736, Ir. Att.-Genl. 82, Chf. Baron 83, peer 95, † 1805.

Avranches, ⊙ La Manche, Fr., 8,300 inh., cathed. destroyd. in Revolution.

Awdeley, John, blind Eng. poet, 15th cent.

Awe, Loch, lake in Argyllsh., Scot., 22 m. long, islands, draind. by ♃ Awe into Loch Etive.

A-weather, ⚓, towards the side from wh. the wind blows.

Awl-wort, ♂, Eng. name of *subularia*, gen. of crucifers.

Axayacatl, 1] Aztec kng. of Mex., † *ca.* 1477. **2]** Mex. fly, the eggs of wh. are eaten as caviare.

Axholme, or Axenholme, isle N.W. Lincolnsh., Eng., formd. by Trent, Don, & Idle ♃s; 47,800 acres; draind. 1684.

Axilla, the arm-pit. In ♂, pt. where base of uppr. side of leaf joins the stem.

Axiom, a truth self-evident but possibly undemonstrable. In geom. there are 12 A.s., *e.g.* "The whole is greater than its part."

Axis, a line occupyg. central positn. in a body; in geom. a strght. line about which the parts of a fig. are symmetrically disposed; in ⊕, line about which a body revolves, A. of rotation; in ♂, central pt. of a plant inclg. stem & root.

Axminster, ⊙ E. Devonsh., once fam. mnf. carpets, 5,200 inh.

Axolotl, zool., *siredon pisciforme*, a Mex. amphib. vertebr. anim., havg. gills & four feet.

Axum, formly. cap. ⊙ of Ethiop. kngdom. of Axum in Abyssin.; now ruind.; church blt. 1657.

Ayacucho, a plain in Guamanga, Peru, ✕ 9/12 1824, deft. of Spaniards.

Ayah, Ang.-Ind., a native nurse-maid or lady's-maid; Port. *aya*.

Ayala, P. Lopez de, Sp. ✍ ✓, * 1332, † 1407.

Ayamonte, ⊙ Seville, Sp., ⊕ on Guadiana, 6,500 inh.

Aye-aye, zool., *cheiromys madagascariensis*, a rodent, so-called from its cry, comm. in Madagascar.

Ayeen Akbery (Akbar's Institutes), a descriptn. of Mog. Emp., compild. *ca.* 1580 by Abul Fazi.

Ayeshah, fav. wife of Mahomet, "Mother of the Faithful." * 611, † 678.

Aylesbury, ⊙ Bucks, Eng.; ducks; 6,000 inh.

Aylesford, vill. Kent, on Medway, ✕ 455, Horsa & Catigern killd., 2,300 inh.

Aylmer, 1] John, * 1521, Bp. of London 76, † 94. **2]** Matth., Admrl. Lord A., * 1643, peer 1718, † 1720.

Ayr, marit. co. Scot., minerals, 665,600 acres, 162,000 inh. Ret. 2 memb. Parlt., N. & S. Its cap. ⊙ A., on bay of Firth of Clyde, 8,000 inh., ret., with A. burghs, 1 memb. Parlt.

Ayrer, Jac., Germ. ✆ ✓, † 1603 Nuremberg.

Ayrton, Rt. Hon. A. S., * 1816 Kew, 1st Comm. of Works 69, Judge-Adv.-Genl. 73-74; † 30/11 86.

Ayscue, Ayscough or Askew, Sir Geo., Brit. admiral, * ca. 1618, reduced. Barbadoes, captd. by Dutch 66, † ca. 80. *v.* also Ascue.

Ayton, Sir Robt., Scot. poet, * 1570, † 1638.

Aytoun, Wm. Edmonstoune, Scot. poet. & rom. ✓, * 1813 Edinburgh, † 4/8 65. "Lays of the Scottish Cavaliers."

Azalea, ♨, gen. of plnts. of ord. *ericaceæ*, N. Amer. & Ind.; ornamental; cultd. in Eng.; 20 species.

Azamgarh, distr., Benares div. of B. Ind., 2,565 s.m., 1,581,482 inh.; cap. ⊙ A., 15,800 inh.; silk, cotton.

Azarole, ♨, Eng. name of spec. of hawthorn, *crataegus azarolus*.

Azeglio, Massimo, Marq. d', Ital. stateam., * 2/10 1798 Turin; opposd. the Austr. domin., Sard. min. 49-52, † 15/1 66. Rom. ✓.

Azerbidjan, or Aserbidschan, N.W. prov. Pers., ▲ous., pop. Turk. & Armen. ⊙s Tabriz, Resht.

Azimuth, ✎, a measmt. for recordg. posit. of celest. body. The A. of a celest. body is the arc of the horiz., intercepted. betw. the N. point & the pt. where a circle passg. thro. the zenith & the celest. body cuts the horizon.

Azof, or Azov, Russ. ⊙ on Don, nr. Sea of A., 17,000 inh.; bombd. 1855.

Azof, or Azov, Sea of, an inlet of the Black Sea, 235 × 110 m., shallow; calld. by Turks Baluk-Denis.

Azores, Terceiras, or Western Isles, volc. group in Atl. O., 800 m. W. of Port.; clim. mild: earthqks.; oranges, lemons, wheat, wine, fruits, 215,000 inh. ⊙s Angra, Terceira seat of Govmt., 18,000 inh.; Ponte Delgada, St. Michael's, 16,000 inh.; Villa de Horta, Fayal, 7,700 inh. Discvd. 1432 by Cabral; colonisd. by Port.

Azote, old name for nitrogen.

Azotus, or Ashdod, now Esdud, villg. in pashalik of Acre, Palestine, ruins; formly. large ⊙.

Azrafil, Mahom. myth., the angel who will blow the resurrection trumpet.

Aztecs, native name of chf. tribe of Mex., at Sp. conquest, 1521.

Azymites, name givn. to R. C.s. by the Grk. Ch.

B.

B, consonant, 2nd letter of alphabet in all langs. of Phœnician orig. In ♮, 7th note of the scale of c major, answerg. to *si* of Itals. & Fr. In ⚗, B = Boron. In numeration, B = 300 & $\bar{B}$ = 3,000. In Bibl. crit., B = Codex Vaticanus.

B.A. or A.B., *Artium Baccalaureus*, Bachelor of Arts. Ba in ⚗ = Barium.

Baal, Chald., Phœnic., Assyr. myth. God of the Sun. B.-Berith, God of Treaties. B.-zebub, God of flies. B.-peor, God of the dead, the Priapus of the Moabites.

Baalbec, or Heliopolis, ruind. ⊙ Syria, sackd. by Arabs 748, & by Tamerlane ca. 1400; earthqk. 1759: 35 m. N.W. of Damascus.

Baan, J. van, Dutch ✎, * 1633 Haarlem, † 1702; copied Vandyke.

Baba, Ali, Dey of Algiers, electd. 1710, assertd. his indep. of Turk., † 18.

Baba, Cape, anctly. Lectum, most W. pnt. of Asia, on N.W. of A. Min., ⊙ mnf. sword-blades, 4,000 inh.

Babbage, Chas., math., ♟, & ⚙. * 20/12 1792 Teignmouth, † 20/10 1871 London. Prof. Math., Cambridge Univ. Invntd. calculatng. machine.

Babel, scene of the Bibl. confusion of tongues; Babylon.

Bab-el-Mandeb (Gate of Tears), strait at entr. of Red Sea, betw. Arab. & Afr.; 20 m. broad, strong currents.

Babelsberg, castle nr. Potsdam, Pruss.

Babenberg, Counts, ruld. Austr., 973–1246.

Babar, Zuheir-ed-din Mahomet, first Mogul Emp. in Ind., * 14/2 1483, s. of Omar, Sheikh of Ferghana, succd. 95, captd. Kabul 1504, deftd. Emp. of Delhi ⚔ Paniput 21/4 1526, deftd. Rana Sauga of Mewar ⚔ Sikri 10/3 27, master of India, † 28/12 30. Admirable prince. ⁄.

Babeuf, Fr. Noel, communist, * 1764 St. Quentin, executd. for treason 27/5 97.

Babiana, ♃, gen. of plnts. of ord. *iridaceæ*, S. Afr.

Babinet, Jacq., scient. ⁄, * 5/3 1794 Lusignan, † 21/10 1872 Paris.

Babington, 1] Wm., ⚒ & ⚡, * 1756 co. Coleraine, Irld., fnder. of Geol. Soc., † 29/5 1833 London. ⁄. 2] Anth., Eng. R. C. gentleman, executd. for treason 1586. 3] Chas. C., ♃, * 1808 Ludlow, Prof. of ♃ at Cambridge; ⁄. 4] Rev. Churchill, Ψ, * 1821, Disney Prof. of Ψ Cambridge 65; ⁄.

Babini, Matteo, oper. singer, * 1754, † 1816, introd. the singing of recitatives.

Babirousa, zool., *babyrussa alfurus*, the horned hog of Java.

Babo, Jos. Mar., ☾ ⁄, * 14/1 1756 Ehrenbreitstein, † 5/2 1822 Munich.

Baboo, or Babu, Bengal. title of respect; sir, master.

Baboon, zool., pop. name for the gen. *cynocephalus*, of *quadrumana*, rankg. immediately below the ape; short tail, dog-like muzzle; incldg. mandrill; Afr.

Babrius, Grk. fab. ⁄, *ca.* 100.

Babuyanes Islea, pt. of Philippine group, N. of Luzon

Babylas, St., bp. of Antioch, martd. 251.

Babylonia, or Babylon, anct. ⊙, the flat-country, now Irak-Arabi, about Lowr. Euphrates. B'lonian. Emp. once incld. also Assyr. & Mesopot. Cap. ⊙s, Babylon 2000–1230 B.C., Nineveh 1230–606 B.C., Babylon 606 B.C. until conqd. by Alexander 323 B.C. Babylon ⊙, 60 m. in circumfer., rich, beautiful, entirely destroyed; site about Hillah & Birs Nimrud.

Babylonian Exile, or Babylonish Captivity, of the Jews 586–536 B.C., when they were permitted by Cyrus to return.

Bac, Théod., Fr. ⚒ & polit., * 1808 Limoges.

Bacca, ♃, a many-celled, many-seeded, indehiscent, pulpy fruit in which at maturity seeds become scatterd. in pulp; a berry.

Baccarat, ⊙ Meurthe, Fr., on Meurthe, glass mnf.; a card game.

Bacchanalia, Bacchantes, *v.* Bacchus.

Baccharis, ♃, gen. of plnts. of ord. *asteroceæ*, 200 vars.

Bacchini, Bened., ♁, math., ♅, & crit. ⁄, * 1651, † 1721 Bologna.

Bacchius, a foot in class. verse, ⏑ – –.

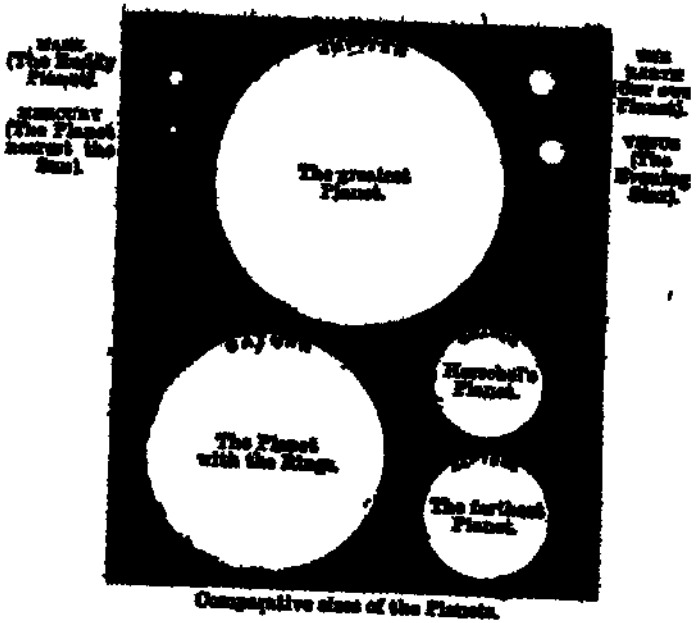
Bacchus, Rom. myth., God of Wine = Dionysius of Grk. myth.; s. of Jupiter & Semele. Worship introd. to Rome 496 B.C. His festivals Bacchanalia, his priestesses Bacchantes.

Bacchylides, Grk. lyr. ⁄, 5th cent. B.C.

Bacciochi, 1] F. Pasq., * 18/5 1762 Corsica, m. Elisa, sister of Nap. I. 97, Prince of Lucca & Piombino 1805, † 41 Bologna. 2] His wife, M. A. Elisa Bonaparte, * 1777, † 1820. Her dau. N. Elisa m. Count Camerata.

Baccio della Porta, *v.* Bartolommeo.

Bach, a remarkable musical family orignatg. in Thuringia, 1] Joh. Christoph., ♅, * 1643 Arnstadt, † 31/3 1703. His brothr. 2] Joh. Mich., ♅, * 1648 Eisenach, † 94. His dau. 3] Mar. Barb., first wife of



Comparative size of the Planets.

The Orbits of the New Celestial Planets. The Orbits of the Ancient Planets.

ASTRONOMY.

4] John Sebastian, ♫, * 21/3 1685 Eisenach, court-organist at Weimar 1708, concertmaster 14, kapellmeister at Kothen 17, music. director at Leipzig 23, † 28/7 1750 Leipzig. The greatest master of music to that date. Monumt. at Eisenach. His 4 sons—5] W. Friedm., organist, * 1710 Weimar, † 1/7 84 Berlin, ♫ /. 6] Phil. Emman., * 14/3 1714 Weimar, music-directr. Hamburg, † there 14/9 88, composer, pianist. 7] J. Christoph. Fried., * 29/6 1732, kapellmeister at Buckeburg, † there 26/1 95, composr. 8] John Christ., * 1735 Leipzig, † 82 London, composd. operas. 9] Wm. F. Ernst, s. of 7, * 27/5 1759, † 25/12 1845 Berlin, composer.

Bach, 1] Alex. Ant. Steph. v., Baron, Austr. statesm., * 4/1 1813

2] Otto, ♫, * 9/2 1833 Vienna; operas, &c.

Bachaumont, 1] Franç. le C. de, satir. /, * 1624 Paris, † 1702. 2] Louis, /, † 1771. "Memoires."

Bache, 1] Alex. D., Amer. math. & ⚗, * 19/7 1806 Philadelphia, Superintd. U.S. Coast Survey 43, † 17/2 67. 2] His cousin, Franklin, ⚗ & ♀ /, * 25/10 1792, † 19/3 64.

Bachelor's Buttons, ❀, *ranunculus acris*, cultivated in Brit. gardens.

Bachelors' Tax, Eng. 1695, £12 10s. to 1s. on unmarried males above 25. Repealed 1706.

Bachelot de la Pylaie, A. J. M., Fr. zool., * 1785, † 1856. /.

Bacheracht, Ther. v., *née* von Struve, /, * 4/7 1804, Stuttgart, † 16/9 52 Turin.

Baciocio (Giov. B. Gaulli), Ital. portrait ◉, * 1639, † 179? Rome.

Bacillus, a microscopic form of lower plant-life, which has a rod-like shape. Most *bacilli* are known as disease-germs.

Back, Admiral Sir Geo., travlr., * 6/11 1796 Stockport, † 23/6 78 London.

Backgammon, game played by 2 pers. on a special table, w. boxes, dice, & men; trictrac.

Backhousia, ❀, gen. of flowering plnts., ord. *myrtaceæ*.

Backhuizen, or Backhuysen, Ludolph, ⚓ ◉, * 18/12 1631 Emden, † 17/11 1708 Amsterdam.

Backstays, ⚓, ropes from topmastheads to both sides of ship, to aid shrouds in supporting masts.

Bacmeister, G. H., Hanov. statesm., * 1805 Luneburg; minister 51–53, & 65–66.

Bacon, 1] Francis, Lord Verulam, Visct. St. Albans, emin. Eng. ⚗, essay /, & statesm., * 22/1 1561, s. of Sir Nich. Bacon, Lord Keeper; educd. Camb.; Att.-Genl. 1613; Lord Keeper 17, Ld. Chancellr. 19, deprivd. 21, pardond. 24, † 9/4 26. / "Essays," "Advancement of Learning," "Novum Organum," 1620. Inductive method. First of Eng. ⚗s. 2] His father, Sir Nicholas, * 1510 Chislehurst, † 20/2 79. 3] Roger, Eng. monk & ⚗, * 1214 Ilchester, educd. Oxford & Paris, Francisc. friar, invtd. telescope, air-pump, &c., imprisd. as heret., † 1294. /. 4] John, ⚖, * 25/11 1740 London, † 7/8 99. 5] Sir James, ⚖, V. Chancllor., * 1798, Q.C. 46, Vice-C. 70, retird. 86.

6] Dr. Leonard, Amer. †, * 19/2 1802 Detroit., † 24/12 81. /. 7] Delia, Amer. /, * 1811, † 59, tried to prove Bacon wrote Shakespeare's plays 57.

Bacsanyi, John, Hung. poet. & polit. /, * 1763, † 1845; m. Gabrielle Baumgarten.

Bacterium, gen. title of organisms wh. are main causes of putrefaction; consistg. of single cell endowd. with powr. of vibratg. movemt.; multiply in moisture by division.

Bactria, or Bactriana, anct. ◉, country of C. Asia, N. of Hindu Kush ⛰ & S. of Oxus ⚓; now Balkh. Conqd. by Medes 7th cent. B.C.; by Alexander 4th cent. B.C.; indep. kingd. under Theodotus, 3rd cent. B.C.; now under Khan of Bokhara.

Bactris, ✿, gen. of palms, sect. *cocoinæ*, W. Ind. & Braz., usd. for walking-sticks.

Baculites, gen. of fossil chambered shells; fam. *ammonitidæ*.

Bacup, ⊙ Lancash. Eng., 25,500 inh.

Badagry, ⊙ Slave Coast, W. Afr., 10,000 inh. Brit. since 6/8 1861.

Badajoz, prov. of W. Spain, S. half of old prov. Estremadura, 440,000 inh. Its cap. ⊙, B. on Guardiana, ⊛, bpric., cathed., ruind. castle, trade with Port., 24,000 inh.; captd. by Wellington 6/4 1812.

Badakhshan, country of C. Asia, N.E. of Afghan., betw. Hindu Kush ▲ & Oxus ⅄, 200 × 150 m.; ▲ous.; lapis-lazuli, ruby; 350,000 inh., Tajiks & Mahoms.; lang. Persian: divd. into 16 distrs., chf. distr. Faizabad: its ruler, the Mir, is tribty. of Ameer of Kabul.

Badcock, Sam., Eng. crit. ✓, • 1747, † 88.

Baden, Grand Duchy of, state formg. S.W. pt. of Germ. Emp., bnded. on S. & W. by Rhine ⅄, S. by Switz., N. by Bavaria, E. by Wurtemberg. ▲s: Black Forest, Odenwald. ⅄s: Rhine, Alb, Wutach, Sulzbach, Neckar, Main, Danube. Lakes, Bodensee, Mummel. Prodts., iron, silver, copper, cobalt, malachite, graphite, bismuth, salt, corn, potatoes, hemp, chicory, flax, tobacco, hops, wine, wood. R. 820 m. Divid. into 11 districts. Cap. ⊙, Carlsruhe. ⊙s: Mannheim, Heidelberg, Philippburg, Ettlingen, Rastatt, Buhl. ♛; anct. inhabs., Celts, Marcomanni, Alemanni; a Frankish duchy Hermann II. Margrave of Baden. Land divid. into 3 pts. 1190 under 3 bros.; reunited 1361; afterw. divid. into Lowr. & Uppr. Counties. War between the two, ⚔ Wimpfen 1622. Electoral Principality 25/7 1803, & Grand Duchy 05. Revolutn. 48; war with Pruss. 66; joind. Pruss. agst. Fr. 70–71. 5,803 s.m., 1,576,000 inh., more than half R. C.s. Grand-Duke Friedrich Wilhelm Ludwig, • 9/9 1826, succd. 24/4 52, m. 20/9 56 Louise, dau. of Emp. William I. of Germ.; heir appart., his s. Friedrich Wilhelm, • 9/7 57. Rev. *ca.* £2,135,000; expend. *ca.* £2,085,000; debt *ca.* £16,414,000.

Baden, 1] ⊙ Switzerld., baths, 3,500 inh. 2] ⊙ Lowr. Aust.; baths; 6,500 inh.

Baden-Baden, ⊙ Baden, 18 m. S.W. of Carlsruhe, medic. springs; gamg. tables closed 1872; 11,000 inh.; fnded. by Emp. Hadrian. Season Jul. & Aug.

Badenoch, ▲ous. distr., S.E. Inverness-sh., Scot.; moors.

Badger, *meles*, zool., gen. of *carnivora*, sect. plantigrade; elongated bodies & short legs. Occurs in Brit.; nocturnal habits; burrows; hunted; hair valuable.

Badia y Leblich, Domingo ("Ali Bey"), Sp. travlr., • 1766 Biscay, † 1818 Aleppo.

Badian, ✿, *illicium anisatum*, star anise: ord. *magnoliacear*.

Badinguet, nickname of Napol. III., from workman in whose clothes N. escaped from Ham 25/5 46.

Badister, zool., gen. of predatory beetles, fam. *harpalidæ*; commn. in Brit.

Badius, Josse, Fr. typog., • 1462, † 1535; worked in Lyons & Paris.

Badminton, 1] a game. 2] Drink of claret spiced. & sweetend. Both names from Badminton House, Chippenham (Dk. of Beaufort's).

Badon, Mt., ⚔ 520, K. Arthur deftd. Saxons.

Baedeker, Carl, publisher of guide-books, • 1801 Essen, † 4/10 59 Coblentz.

Baehr, Joh. Chr. F., philol., • 13/6 1798 Darmstadt, † 29/11 72 Heidelberg.

Bael, or Bel, ✿, an Ind. tree of fam. *aurantiaceæ*; fruit laxative.

Baer, Karl Ernst v., Russ. zool., * 1792; explord. Lapland & Nova Zembla 1837.

Baetis, anct. ⊙, Guadalquivir ⚓.

Baeuerle, Ad., ✆ /, * 9/4 1786 Vienna, † 20/9 1859.

Baeyer, Ad., ⚗. * 31/10 1835.

Baez, Buenaventura, * 1820, Azua, Haiti, Presdt. of Domingo 56–58, exild. till 65, Presdt. 65–66, 68.

Baeza, ⊙ Jaen, Sp., 15,000 inh.; bpric. till 1248.

Baffin, Wm., Eng. ⚓, * ca. 1584, † 1622 at siege of ⚑ Kismis, nr. Ormuz.

Baffin's Bay, large inlet, N.E. coast of N. Amer., betw. Amer. & Greenland; explord. by W. Baffin 1616; navigble. for 2 mos. in year, connectd. with Arct. O. by Lancaster Snd. & Barrow's Str.; Dan. settlemts. on Disco & Whale Isles.

Baffo, ⚓ ⊙ W. Cyprus, bad harbour; anct. Paphos.

Bagatelle, Eng. indoor game, played on table with balls & cues. B., a trifle.

Bagdad, or Baghdad, a govt. in S.E. of As. Turk., comprisg. anct. Babylon & Assyr., chfly. betw. Tigris & Euphrates, 2,000,000 inh. Its cap. ⊙, B., on Tigris formly. cap. of Emp. of Khalifs; Turk. since 1638; still flourishg.; silk, cotton, leather; tomb of Zobeide; 90,000 inh., Turk., Arab.

Bage, Robt., nov. /, * 29/2 1728 Darley, † 1/9 1801.

Bagehot, Walter, Eng. polit econ. /, * 3/2 1826 Langport, † 24/3 1877 London.

Bagemond's Roll, valuatn. of all benefices in Scotl. 1275 by Bocamund de Vieci.

Baggallay, Sir Richard, * 13/5 1816 Stockwell; Solicitor-General 68; Attorney-General 74, Lord Justice 75, † 13/11 88.

Baggesen, Jens, Dano-Germ. poet. /, * 15/2 1762 Korsoer, † 3/10 26.

Baghermi, or Bagirmi, kngd. of C. Afr., S. of Lake Chad, 1,500,000 inh., cap. ⊙, Massena; inhabs. Moham.

Bagilt, ⊙ Flintsh., 3,400 inh.

Baglione, Giov., ⚙ & art. ✍ /, * 1573 Rome, † 1644. "Vite de Pittori, Scult., Arch."

Baglivi, G., Ital. ⚕ /, * 1668, † 1706 Rome.

Bagnères-de-Bigorre, ⊙ Htes. Pyrenées, Fr., on Adour, hot springs, 10,000 inh.; season, May-Oct.

Bagnères-de-Luchon, ⊙ Hte. Garonne, Fr., sulph. springs; 4,000 inh.

Bagni-di-Lucca, waterg. pl., prov. Lucca, Ital. Gaming-tables abolishd. 1846; 8,000 inh.

Bagnio, properly a bath. Turk. or Fr. convict prison: a brothel.

Bagno-in-Romagno, waterg. pl. 35 m. N.E. Florence, Ital.

Bag-pipes, ♪ inst. chiefly used in ▲ous. distrs. of Scot., Irld., & C. Europe, consistg. of leather bag from which air is forcd. thro. pipes or whistles.

Bagration, Pet., Prince, Russ. genl. of Georgian extractn., * 1765, servd. under Suwarrof 92 & 99, † 7/10 1812 Borodino.

Bagshawe, Edw. G., * 12/1 1829, consec. R.C. bp. of Nottingham 12/11 1874.

Bagshot Sands, ⚒. strata belonging to Eocene formtn. of Tertiary rocks, nr. Bagshot, Surrey.

Bahadur Shah, 1] king of Guzerat, * 1505, crowned 26, conqd. Malwa 31, † 37. 2] Emp. of Delhi, * 1641, suced. Aurangzebe, † 1712 Lahore.

Bahamas, or Lucayos, grp. of isles, E. of Florida, N. Amer., some barren, others fertile. Mahogany, lignum-vitæ, satin-wood, pines, salt, sponge, pine-apple, orange. Visitd. by Columbus 1492. Cap. ⊙, Nassau, on I. New Providence. Chief isles, N. Providence, San Salvador, Grt. Abaco, Grt. Bahama, Eleuthera, Long Isld., Grt. Inagua, Andros Isles; 5,794 s.m., 44,000

Bala, ⊙ on Lake Bala, Merionethshire, Wales; 1,700 inh.

Bala Beds, ⚒, strata of Silurian grp. of rocks, ident. with Caradoc sandstone; rich in fossils; nr. Bala.

Bala Lake, calld. Pimblemere or Llyn Tegid, in Merionethsh., N. Wales, 4 × 1 miles, depth *ca.* 40 ft., pure water, source of Dee.

Balænidæ, zool., the fam. of true whales, of ord. *cetacea;* no teeth, but whalebone.

Balaghat, distr. Cent. Prova., B. Ind., hills & forests; formed 1866; 2,608 s.m., 195,000 inh., administrative hd.-qrts. Burka.

Balaklava, ⚓ ⊙ Crimea, 6 m. S. of Sebastopol, good harb., ⚔ 25/10 1854. Charge of Lt. Brigade.

Balakna, ⊙ in govt. of Nishni-Novgorod, Russ., on Volga, 5,000 inh.

Balance, form of lever for weighg. In a watch, circ. hoop made to vibrte. by hair-spring. In ♎, the constelltn. Libra.

Balanus, or Acorn-shell, zool., fam. of *cirripedia* or cirrhopods, commn. betw. tide-marks on solid objects.

Balard, A. Jer., Fr. ⚗, • 1802, discovd. bromine 26.

Balasor, distr., div. of Orissa, B. Ind., on B. of Bengal, salt, rice, 2,068 s.m., 800,000 inh. Cap. ⊙, B., on Burabalang, 19,000 inh.

Balas Ruby, the rose-red spinel.

Balaton, Lake, or Platten See, Hung., 56 m. S.W. of Pesth, 50 m. long, slightly salt.

Balausta, Lindley's name for fruit of wh. pomegranate is the type.

Balbi, 1] Adr., ⊙ ✓, • 25/4 1782, Venice, † 14/3 1848 Padua. **2]** Gasp., Venet. travlr. & ✓, end of 16th cent.

Balbinus, Decim. Cæl., Rom. Emp., † 242.

Balbo, Cæsar, Ct., Ital. statesm., • 21/11 1789 Turin, † 3/6 1853. ✍ ✓.

Balboa, Vasco Nunez de, Sp. explorer, • 1475 Estremadura, settled at Darien 1510, crossd. isth. & saw Pacif. O. 13, executd. by his successr., Pedrarias, 1517.

Balbuena, Bern. de, Sp. poet. ✓, • 1568 Val de Peñas, † 1627 Puerto Rico.

Balchen, Adm. Sir John, Brit. ⚓, • 1669, drowned 1744 in loss of *Victory.*

Balcony, △, a projection from upper pt. of a house, supportd. on pillars or consoles.

Baldachin, or Baldacchino, a canopy carried over Host in R.C. processns.; canopy of an altar or throne.

Baldamus, Edw., ornithologist, • 18/4 1812 Giersleben. ✓.

Bald Buzzard, the osprey, or fishing eagle, or fish-hawk, zool., *pandion haliætus,* Europe, Egypt, Amer.

Bald Coot, zool., *fulica atra,* common coot.

Balde, or Baldus, Jac., poet. ✓, • 1604 Ensisheim, † 9/8 68.

Balder, or Baldur, Scand. myth., god of light & summer, s. of Odin & Frigga, killd. by blind god Hoder. Subject. of poem by Sydney Dobell, 1854.

Baldi, Bern., • 1553 Urbino, poet, △ & ✍ ✓, † *ca.* 1620.

Baldmoney, ✿, *meum athamanticum.*

Baldric, a belt or girdle, usly. worn over shoulder.

Balduin, or Baldwin, **1]** 5 kngs. of Jerusalem, 1100–85. **2]** 9 Cts. of Flanders. **3]** 2 Emps. of Constantinople, B. I. • 1171, † 1205, B. II. • 1217, † 1273. **4]** Archbp. of Canterbury 1184, † 20/11 91 Acre.

Baldwin, 1] Willm., • *ca.* 1518, ☕, biog. & ✆ ✓, partly wrote & printed "Mirrour for Magistrates" 1559. **2]** John D., Amer. poet. & misc. ✓, • 28/9 1800.

Bale, a package wrappd. in cloth, corded & marked.

Bale, John, Prot. ✝ & ✆ ✓, • 21/11 1495 Cove. Bp. of Ossory 1552, † 63. Biog. ✓.

Balearic Isles, grp. in Mediterr., betw. Sp. & Sardinia, formg. a Sp. prov., incl. Majorca, Minorca, Ivica, Formentera, & Cabrera, tot. ar. 1,753 s.m., 270,000 inh. Cap. ⊙, Palma in Majorca; Univ.: Port Mahon in Minorca, fine harb., ⚓, corn, fruit.

Balearic Crane, ornith., *balearica pavonina*, the crowned crane.

Balfe, Mich. Wm., ♪, • 15/5 1808 Dublin, † 21/10 1870 London. *Bohemian Girl, Rose of Castille*, &c.

Balfour, 1] Fran. M., embryol., • 1851 Edinburgh. /. † 18/7 82. 2] Sir James, Scot. ⚔, † 1583. 3] James, Scot. ⚔, prof. at Edinburgh 1754, † 6/3 1795 Pilrig. 4] Sir George, genl., • 1809, m. dau. of Jos. Hume, cons. at Shanghai 43–66, memb. for. Kincardinesh. 85. 5] Rt. Hon. Arth. Jam., • 1848, Presd. L. G. Board 1885, Sec. for Scotl. 85, for Irlnd. 87. 6] Rt. Hon. J. Blair, Sol.-Genl. 1880, Ld. Advocate 81. 7] J. Hutton, ♪, • 15/9 1808, Prof. at Edinburgh, † 11/2 1884. 8] Alex., Scot. nov. /, • 1767, † 1829.

Balfrooah, or Barfurush, ⊙ prov. Mazanderan, Pers., on Bhawal, rice, silk, cotton, 125,000 inh.

Balguy, 1] John, Eng. †, • 12/8 1686 Sheffield, † 21/9 1748. /. 2] His son, Dr. Thos., †, • 27/9 1716, † 19/1 95.

Bali, or Little Java, one of the Sunda Isles, off Java, 75 × 85 m., rice, coffee, cotton. 8 kngdms. und. Dutch protectn., 700,000 inh.

Baliol, 1] or Balliol, Sir John de, gov. of Carlisle 1248, fnded. Balliol Coll., Oxon. 1262. 2] His s., John B., • 1259, competd. with Robt. Bruce for Scottish throne, ascended 1292, deposd. 1296, retirl. to Normandy 99, † 1314. 3] His s., Edward B., recovd. his father's kngdm. 1332, † 1368, childless, Doncaster.

Balista, anct. ⚔ engine for throwing bolts or stones by means of a spring.

Balistes, zool., file-fish.

Balistraria, cruciform openg. in anct. walls for discharge of arrows; also turret, or bartizan, in wh. archer was stationed.

Balize, *v.* Belize.

Balk, Herm. v., Germ. warrior, † 1247.

Balkan Peninsula, the most E. of the 3 great Europ. penins., inclds. Turkey, &c.

Balkans, anct. ⊙ Hamos, ⛰, E. Eur., stretchg. from Adriatic to Black Sea, betw. Bulgar. & Roumel. aver. elev. 3,000 ft. Shar Dagh 10,000 ft., iron, lead, copper, silver. North B.s branch off to Danube ⚓ at Iron Gate.

Balkash, or Tengiz, lake, C. As. on N.W. of E. Turkestan, 150 × 75 m.

Balkh, a country of C. Asia, formly. N. prov. of Afghanistan, now subject to Khan of Bokhara. The anct. Bactria; 250 × 120 m.; 1,000,000 inh. Its cap. ⊙, B., 30 m. S. of Oxus ⚓, nr. anct. town in ruins; 20,000 inh., Afgh. & Jew.

Ball, 1] John, itin. preach. & rebel, hangd. 2/7 1381 Coventry. 2] Dr. Robt., zool., • 1802, † 57, Dir. of Dubl. Univ. Mus.

Ballad, a popular song, or poet. narr. of advent. or intrigue in simple lang. Derivd. from Fr. *ballade*, a form of verse having a peculiar arrangmt. & limitd. numbr. of rhymes. ♪, short, simple air with subordnte. accompaniment.

Ballajee Bajee Rao, 3rd Peishwar of the Mahrattas, 1740–1761.

Ballajee Jenardhun (Nana Furnavees), ministr. of Peishwars, • *ca.* 1730, † 18/3 1800.

Ballajee Wishwanath, 1st Peishwar of Mahrattas, • *ca.* 1678, † 1721.

Ballantine, 1] James, art. in staind. glass, & poet., crit., & rom. /, • 1808, † 77. 2] Willm., • *ca.* 1814, Serjt. at Law, † 9/1 87. /.

Ballantyne, 1] James R., Orient., • 18/12 1813 Kelso, † 16/2 64; Libr. of E. Ind. Off. /. 2]

Robt. Michael, ✓ of advent. tales, &c., * *ca.* 1820.

Ballarat, ⊙ Victoria, Austral., 66 m. N.W. of Melbourne; gold discvd. 1851, ⊙ fnded.; iron, mnfs., bpric., 50,000 inh. 3 R.s.

Ballari, or Bellary, distr. of Madras, B. Ind., ceded 1800, constitd. 1818; 170×120 m., hghld. plateau, grain, oil, cotton, carpets, 11,007 sq.m., 1,700,000 inh., Hindus. Its cap. ⊙, B., ⚔ hd.-qrts., ♔, R., 52,000 inh.

Ballast, make-weight, heavy matter placd. at bottm. of a ship. In ⊕, gravel, broken stone, &c.

Ballesteros, Franc., Sp. genl. & statesm., * 1770, † 1832.

Ballet, a dance, usly. forng. an interlude in a dram. or oper. perfmce. Also the dancers takg. part.

Ballhorn, J., typog., * 1581 Lubeck, † 99.

Ballinasloe, ⊙ Galway & Roscommon, Irld., ann. cattle fair Oct. 5–9; 5,000 inh.

Balling, K. J. Napol., ♃, * 21/4 1805 Bohemia, † 17/3 68 Prague. ✓.

Balliol, *v.* Baliol.

Balloon, a large, light bag, wh., inflatd. with hot air or gas, becomes lighter than the atmosph., & ascends with a car for passengers attachd. Hot air B. first usd. by J. Montgolfier 5/6 1783 Annonay; first ascent 15/10 1783 by P. de Rozier; first free ascent 21/11 1783; first hydrogen B. 25/11 1783 by Zambeccari, London; Blanchard crossd. Channel 7/1 1785.

Ballot, system of secret votg. by means of balls thrown into a box; a ticket is often substd. for the ball. Vote by B. in Parlt. elections introd. in Grt. Brit. & Irld. 1872.

Ballou, Hosea, Amer. relig. ✓, * 1771, fnder. of sect of Universalists 92, † 1852.

Ballston Spa, ⊙ N. York, U.S.A., min. springs, 5,000 inh.

Ballymore, Irld., ⚔ 8/6 1798 Ir. rebels victorious.

Ballyshannon, ⊙ Donegal, Irld., on Erne, 4,000 inh.

Balm, ♃, 1] *balsamodendron gileadense,* or its gum. 2] *B. opobalsamum,* or its gum. 3] *Abies balsamea,* or its gum. 4] The gum of *icica achuchini.*

Balmerino, Arthur Elphinstone, Lord * 1688, joined Young Pretender 1745, captd. & executd. 46.

Balmes, Jaime, ✝ & ✍ ✓, * 28/8 1810, † 9/7 48.

Balmung, the sword of Siegfried.

Balnavis, Henry, Scot. reform. * Kirkcaldy, Scot., Lord of Session 31/7 1538, † 70. ✓.

Balsam, ♃, strongly scented vegetable resin; nat. admixt. of resin w. volatile oil; *e.g.* B. of Copaiba, of Gilead, of Peru, of Tolu. ♃, *impatiens balsamina;* cultivd. in var. colours in Eng. gdns.

Balsamo, Joseph, *v.* Cagliostro.

Balsamodendron, ♃, gen. of ord. *amyridaceæ,* incl. myrrh, balm of Gilead, bdellium.

Balsham, Hugh de, fnder. of Peterhouse, Cantab., bp. of Ely, † 1286.

Balta, ⊙ Podolia, Russ., 19,000 inh.

Baltic Sea, an inlet of the Atl. O., borderd. by Swed., Russ., Germ., & Den., 900 m. long, 160,000 s.m., gently. shallow. ⚓ *s:* Neva, Tornea, Niemen, Vistula, Dwina. *Gulfs:* Bothnia, Finland, Riga. *Isles:* Alands, Dago, Oesel, Gottland, Oland, Bornholm, Rugen, Zealand. Called also Ostsee. Prods. amber.

Baltimore, George Calvert, 1st Lord, fnder. of Maryland; * 1580; charter dated 20/6 1632, † 1632. His s. Cecil, 2nd Lord, † 1676.

Baltimore, ⊙ Maryland, U.S.A., on Patapsco Bay, fnded. 1729. Peabody Inst., Univ., City Hall; bricks, iron, oysters, flour, tobacco; good harb., large trade, 350,000 inh.

Baltimore Bird, or B. oriole, ornith., *icterus Baltimorii;* N. Amer. Also calld. fire-bird, or hang-nest.

Baltzer, 1] J. B., Cath. ✝, *

1803 Andernach, † 1/10 71 Bonn. ⁄. 2] Rich., math. * 1818, prof. at Giessen 69.

Baluc, Jean, Fr. Cardinal & minister, * 1421, † 91.

Balusters, ▲, small shafts in line supportg. a coping or handrail, & formg. a balustrade.

Baluze, E., ♛ ⁄, * 24/12 1630 Tulle, † 28/7 1718 Paris.

Balzac, 1] Honoré de, Fr. nov. ⁄, * 16/5 1799 Tours, † 19/8 1850 Paris. 2] J. L. Guez, Seigneur de, * 1594 Angoulême, † 1655. ⁄ "Aristippe."

Bamba, prov. of Congo, W. Afr.

Bambarra, country of N. Afr., S. of the Sahara; negro Mahom., 30,000 inh. Cap. ⊙, Segu.

Bamberg, ⊙ Bavar., on Regnitz; cathed. fnded. 1004; wine, hops; 26,500 inh.

Bamberger, L., econ. ⁄, * 22/7 1828 Mayence, banker in Paris 58; member of the German Reichstag 71.

Bambino, It.=little boy; a representatn. of Christ as an infant.

Bamboccio (P. v. Laar), Dutch ☻, * 1613, † 1675.

Bamboo, ✱, the best known is *bambusa arundinacea*, a giant grass, commn. in tropics, 40–50 ft. high; usd. for almost every purpose in China & East.

Bamborough, villg., coast of Northumberland; castle; scene of Grace Darling's rescue of crew of *Forfarshire* 1838.

Bambouk, country in inter. of N.W. Afr., ▲ons.; inhs. Mandingoes; unhealthy; ⊙s Bambouk, Salaba.

Bamian, ⊙ Hazara distr. of Afghan., ruins of a city destrd. *ca.* 1222, colossal statues; pass; ✕ 18/9 1840.

Bampton, John. ✝, * 1689, † 1751, fnder. of Bampton Lectures, Oxford: they began 1780.

Ban, 1] title of the stattholder of Croatia, Slavonia, &c. 2] An edict or proscription; a curse. 3] A class or category.

Banana, ✱, *musa sapientum*, palm-like tree producg. edible fruit; tropics; nat. of Asia.

Banana, ⊙ mth. of Congo, W. Afr.

Banat, The, distr. S. E. Hung., 1,100,000 inh., cap. ⊙ Temesvar; any distr. under a Ban (1).

Banbury, ⊙ Oxfordsh., 12,100 inh.

Banca, isle of E. Archipel., S.E. of Sumatra; tin; Dutch possessn., 6,883 s.m.; 54,500 inh.

Banck, 1] Karl, ♛ critic & comp., * 27/5 1811 Magdeburg.

2] Otto, critic. ⁄, * 17/3 1824 Magdeburg.

Bancroft, 1] Rich., * 1544 Farnworth; Archbp. of Canterbury; superintd. authorisd. vers. of Bible, † 2/11 1610. 2] Geo., Amer. ♛ ⁄, * 3/10 1800 Worcester, Mass., ⚓ min. 45, min. to Eng. 46–49, to Pruss. 64–74. 3] Mrs., *nee* Marie E. Wilton, Eng. ☾, * *ca.* 1840 Doncaster, m. 67 Sydney B. Bancroft, ☾, retired from stage 85.

Banda, distr. Allahabad Div. of Brit. Ind., cotton, 2,908 s.m., 700,000 inh., Hindus. Cap. ⊙, B., 28,000 inh.

Banda Isles, group of 10 or 12 in E. Archipel.; Dutch possessns., nutmegs, mace; earthqks.; 7,150 s.m., 112,000 inh.; seat of govt. on Banda Neira.

Banda-Oriental, obsol. name for Uruguay (*q.v.*).

Bandel, Ernst. v., ☾, * 17/5 1800 Ansbach, † 25/9 76. Armin's monumt. on the Grotenburg.

Bandello, Matteo, nov. ⁄, * 1480 Castelnuovo, † 1562.

Bandelloni, L., It. poet & ♛ comp., * *ca.* 1802.

Banderilla, lance used by bullfighters.

Band-fish, ichth., gen. *cepola*; Red B. found in Brit.

Bandicoot, zool., Eng. name of gen. *perameles*, incl. *mus giganteus*; India.

Bandiera, Attil., * 1810, & Emil.

* 1815; broths. & It. patriots, executd. 25/7 44.

Bandinelli, Baccio, ♘ & ♚, * 12/11 1493, † 7/2 1560 Florence.

Bandit, Ital. *banditto*, an outlaw; a robber, brigand.

Bandmann, Daul. E., ♘, * 1/11 1839 Cassel, Germ., joind. stage 57, m. 69 Miss Milly Palmer.

Bandola, ♆, kind of mandoline.

Bandolier, or Bandoleer, a belt for holding firearms, or cases containing charges of powder.

Bandon, or Bandonbridge, ⊙ co. Cork, Irld., on Bandon, 6,100 inh.

Baneberry, or Herb Christopher, ♆, *actæa spicata*, wild in Brit.; berries poisonous; black dye.

Banér, Genl. J. G., * 1596 Stockholm; with Gust. Adolph. in Germ. 1630, vict. ✕ Wittstock 36, † 20/5 41.

Banff, a co. of N. Scot., cattle, tanng., weavg., salmon; 686 s.m.; sea-coast 30 m.; 62,800 inh., ret. 1 membr. Parlt. Its cap. ⊙, B. on sea, 8,850 inh.

Bangalore, ⊙ & ♚, administ. hd.-qrts. of Mysore, Ind., ✕ statn.; silk, cotton, 150,000 inh.

Bangkok, cap. ⊙ Siam, on Menam, 20 m. from sea; chfly. wood; expts. timber, tin, cardamoms; 400,000 inh.

Bangor, 1] episc. ⊙ Carnarvonsh., N. Wales; bpric. fnded. 550; cathed. blt. 1532; expts. slates; 8,300 inh. 2] ⊙ Maine, U.S.A., 5,000 inh.

Bangor-Iscoed, villg. Flintsh. & Denbigh, N. Wales, on Dee; anctly. seat of enorm. monastery, destroyd. by Ethelred; 600 inh.

Bangweolo, or Bemba, Lake in Congo State, C. Afr.; disc. 1868 by Livingstone.

Banians, Hindu merchts. visitg. foreign lands.

Banim, John, Ir. nov. ✓, * 1798 Limerick, † 1842. His brothr. Mich. also nov. ✓, * 1796, † 27/7 1874.

Banjaluka, ⊙ Bosnia, 18,000 inh. R.

Banjarmassin, distr. S.E. Borneo, incorpd. by Dutch 1860, 350 × 270 m., gold, diamonds, spices; 500,000 inh. Its cap. ⊙, B., on Banjar, 35,000 inh.

Bankers' Clearing House, Post Office Court, Lombard St., London; medium thro. wh. bankers obtain amnt. of cheques & bills in their hands for collectn. Estabd. 1775; re-estd. on present basis 1858. Amnt. passing through in year 1870, £3,914,220,000; in 1885, £5,511,071,000.

Bank Holidays, in Grt. Brit., days, under Act of 1871, on wh. bankers observe a holiday. Bills due on these days are payable next day. In Eng. & Irld., Easter Mond., Whit Mond., 1st Mond. in Aug., 1st wk. day aft. Christmas Day; in Scotld., New Year's Day, Good Friday, 1st Mond. in Aug. & May, Christmas Day, & 1st wk.-day after.

Bank of England, largest bank in world, projectd. by Wm. Paterson, incorpd. by Roy. Charter 1694; a private bank but connectd. with Govt.; permitted to issue notes equal in amt. to the gold in, & to the govt's. indebtedness to, the bank. The rate of discount fixd. by the directors at their wkly. meetngs. is acceptd. by othr. bankers in the kingdom. Hd. office, Threadneedle St., London; branches, W. London, Manchester, L'pool, Birmingham, Bristol, Leeds, Newcastle, Plymouth, Hull, & Ptsmouth. Until 1884 the only joint-stock B. in the metrop.

Bankruptcy, the conditn. of being too deeply indebted to meet obligations. It involves surrender of property to creditors., B. laws in Eng., 1543, 1571, 1861, 1868, 1869, 1883.

Banks, Institutions for receiving, keeping, utilising, & returning money to its owners. B.s existd. in Athens & Rome; first Europ. public B. fnded. at Venice 1157; B. of Genoa plannd. 1345, establd. 1407; B. of Amsterdam 1609; B.

of Hamburg 1619; B. of England 1694; B. of Vienna 1703; B. of Berlin 1765; Assignation B. at Petersb. & Moscow 1770; B. of France 1803; B. of Bengal 1809. Bankers' licences issd. in Grt. Brit., 1809, 702; 1814, 940; 1832, 686. Savings Banks first proposd. by Rev. J. Smith 1799.

Banks, 1] Sir Joseph, Eng. naturalist, * 4/1 1743, † 19/6 1820; travellr., collectns. in Brit. Mus. Pres. of Roy. Soc. Accompd. Capt. Cook 1769–71. 2] Thos., Eng. ⚲, * 22/12 1735 Lambeth, † 2/2 1805. 3] Nathan. P., American statesman & Federal general, * 30/1 1816 Boston.

Banksia, ⚘, gen. of *proteaceæ;* honeysuckle trees; Austral.; cultivd. in Engl. B. rose, a climbing cluster-rose w. white scentless flowrs.

Bank Swallow, or sand-martin, ornith., *hirundo riparia.*

Bankura, or Bancoorah, distr. of Bardwan div., B. Ind.; rice, cotton, indigo, 1,346 s.m., 530,000 inh. Its cap. ⊙, B., 16,800 inh.

Bannatyne, Geo., editr. & critic, * 1545, † 1609. Bannatyne Club, 1823–60; fnded. by Sir W. Scott.

Banner, a flag; drapery attached to the top of a pole, significative of dignity or command (*v.* Flag, Ensign).

Banneret, anct. Eng. title of dign., above knt. & below baron; baronets, instd. 1611, had preced. over all B.s except those made in the field or in the king's presence.

Bannister, John, Eng. ♪, * 1760, † 1836.

Bannockburn, villg. 3 m. S. of Stirling, Scotl., on Bannock; ⚔ 24/6 1314, Bruce victorious; 2,900 inh.

Banns of Marriage, in Eng. the formal publication thrice in church of an intention of marrying; pubd. on 3 successv. Sundays in parish of each party.

Banquette, fortificatn., a raisd. foot-bank inside a parapet.

Banshee, the imagnry. domestic spirit of a Highland or Irish family, supposed to warn of deaths.

Banswara, nat. state of Ind., under Mewar agency; 155,000 inh. Its cap. ⊙, B., 3,000 inh.

Bantam, ⊙ Java, on Bay of B., now deserted, but formly. cap. ⊙ of N.W. of island.

Banting, proc. of curing corpulence by abstinence from oil, fat, flour, meal, sugar, &c., & by exercise. From its invntr., Willm. B., undertakr. * 1796, † 1878.

Bantry Bay, large inlet on S.W. Ireld., in co. Cork, good haven. ⊙ of B. at head of Bay, fishg., 2,500 inh. ⚓⚔ of B. B. 1689. Fr. fleet in B. B. 22/12 1796.

Bantu, Bunda, group of people in S. & C. Afr., incl. Kaffirs, Zambesians, Bechuanas, Basutos, Hereros, Congoese, &c.

Banu, Bannu, or Bunnoo distr. of Punjab, B. Ind., on Indus; rice, cotton; 3,786 s.m., 290,000 inh. Mahom. Its cap. ⊙, B. or Edwardesabad.

Banville, Theod. de, Fr. poet., ♪, rom., & crit. ♪, opponent. of realism, * 14/3 1823.

Banyan Tree, ⚘, *ficus indica,* or Ind. fig, which sends down new stems from its branches.

Baobab, ⚘, *adansonia digitata,* monkey bread-tree.

Bapaume, ⊙ France, ⚔ 2–3/1 1871.

Baptism, dipping or washing. Christ. †, sprinkling with or dipping in water as symbol of regeneratn., or admissn. to the visible church.

Baptist (J. Baptist Monnoyer), decorat. ♪, * 1635 Lisle, † 1699.

Baptistery, eccles. ⛪, bldng., or portion of ch., reservd. for baptisms. B. of St. Giov., Rome, erectd. by Constantine; B. of Florence, anct. temple of Mars; B. of Pisa blt. 1152–60.

Baptists, † sect. of Prot. Dissentrs., advocatg. baptism by immersion of adults; estimated

numbr. in world 8,200,000; in Eng. & Wales 2,480 chapels.

Bar, ♯, a divisn. formed by lines drawn perpend. across the stave; the notes in each of such divisns. being in the aggregate of equal value. In ⅔, a divisn. in a court separatg. the crowd from the officials; hence barrister=one who pleads at the bar.

Bara, Jules, * 31/8 1835, Belg. Min. of Just. 69–70, & 78.

Baraba, or Barabinski, steppe in As. Russ., 300×400 m.

Bara Banki, distr. of N.W. B. Ind., 1,769 s.m., 1,120,000 inh., Hindus; cap. ⊙, Rudauli, 12,600 inh.

Barabra, or Berabera, *v.* Berbers.

Barack, K. Aug., philol. & ♆ /, * 28/10 1827 Oberndorf; chf. librar. at Strasburg 70.

Baraguay d'Hilliers, 1] Genl. Louis, * 13/8 1764 Paris, comdr. in Tyrol 1809, in Catalonia 10, in Russ. 12, † Govr. of Berlin, 12. 2] His son Achille, * 6/9 1795 Paris, ✕ Leipzig 1813, led expedtn. to Rome 49, comd. in Paris 51, in the East 54, creatd. Marshal; comd. 1st A. Corps in Ital. 59; † 6/6 78.

Barahat, ⊙ on Ganges, cap. of distr. of Garwhal, earthqk. 1803.

Barante, A. Guil. P. de, Fr. statesm. & ♆ /, * 10/6 1783, peer of Fr. 1819, † 23/11 66; transltd. Schiller's ✪s.

Barantschinski, Russ. ⊙, govt. of Perm; iron ⚒.

Baranzow, Al. W., Russ. genl. of artil., * 1810, † 9/10 82. Invntd. B. mntain.-gun 77.

Baratier, J. Phil., a precoc. boy, * 1721 Schwabach, † 5/10 40. /.

Baratinski, Jewjeni A., Russ. /, * 1800 Tambow, † 44 Naples.

Barb, fine breed of horses reard. by Moors of Barbary.

Barbados, the most E. of W. Ind. Isles, 21×15 m., 100,470 acres, highly cultivd., 172,000 inh.; sugar, rum, molasses; ✕ hd.-qrts. in W. Ind. Brit. possn. since 1605; colonsd. 1624. Rev. *ca.* £156,000; expend. *ca.* £154,000; debt £15,000. Cap. ⊙, Bridgetown, 21,000 inh.

Barbara, St., Christ. mart., 3rd cent.; patron of artillery. 4/12.

Barbarea, ♯, gen of crucifers, incldg. winter cress.

Barbarelli, *v.* Giorgione.

Barbarossa, 1] Horuc or Ouradjk, who with his brothr. Khair-ed-din was born at Mitylene, & devastatd. Mediterr., conqg. Algiers & Tunis, † 1518. 2] A designatn. of Emp. Frederick I. of Germ. (*q.v.*).

Barbary, genl. designatn. for Morocco, Algeria, Tunis, and Tripoli; derivd. from Berbers, one of the chf. races; produces breed of horses calld. Barbs.

Barbary Ape, or Magot, zool., *macacus inuus*, N. Afr. & Gibraltar; only Europ. quadrumanous animal.

Barbastel, zool., *plecotus barbastellus*, a yellow-brown bat.

Barbastro, distr. of Aragon, Sp.; cap. ⊙, B., on Vero, conqd. from Moors 1065; bpric.; 7,500 inh.

Barbauld, Mrs. Anna Letitia, *née* Aikin, * 20/6 1743, Kibworth-Harcourt, † 9/3 1825 Stoke Newington; poet. & relig. /.

Barbecued, roasted whole, but split open.

Barbel, gen. of fish of fam. *cyprinidæ*, commn. in many Europ. ♁s; with serrated spine, & beard.

Barberini, princely Roman family. B. palace & B. library at Rome. B. vase, *v.* Portland Vase.

Barberry, *v.* Berberry.

Barber-Surgeon, a person who is barber & surgeon. In London the companies of B.s and of S.s were united *temp.* Henry VIII., but again separated 1745.

Barbès, Armand, revolut., * 18/9 1810 Guadaloupe, condemnd. to death 39, pard., liberatd. 48, exild. 15/5 48, liberatd., † 26/6 70 Hague.

Barbet, 1] the poodle. 2] S. Amer. bird of fam. *picidæ*. 3] A worm that feeds on the aphis.

Barbette, fortificatn., a mound of earth. *En barbette;* position of guns placd. to be fired over top of parapet or turret.

Barbeyrac, J., Fr. ⚖, * 15/3 1674 Beziers, † 1729 Groningen. /.

Barbican, fortificatn. at entr. of a bridge or castle, with projectg. towers, *e.g.* at Warwick.

Barbier, 1] H. Aug., satir. poet. /, * 28/4 1805 Paris, † 14/2 82 Nice. Transltd. *Julius Cæsar.* 2] Jules, ✆ & librettist, * 8/3 1825, Paris.

Barbieri, F. A., ♛, * 3/3 1823 Madrid, prfessor. at Conserv. there 68. Operettas.

Barbiton, ♛, anct. stringd. instr.

Barbou, a fam. of typogs. at Lyons, Limoges, & Paris, 17th & 18th cents.

Barbour, John, † & ♛ /, * *ca.* 1316, Archdeac. of Aberdeen, † 1395; poet. /, "The Bruce."

Barbuda, an isle of Lessr. Antilles, 30 m. N. of Antigua, W. Ind., 75 s.m., 820 inh., cotton, corn, pepper, tobacco; annexd. by Brit. 1628; belongs to Codrington family.

Barca, Afr. prov. of Turk. betw. Tripoli & Egypt, 60,000 s.m., 1,000,000 inh. Cap. ⊙, Bengazi. Until 1869 part of Tripoli.

Barcarole, ♛, boatman's or gondolier's song.

Barcelona, prov. Catalonia, Sp. Its cap. ⊙, B., 2nd city in Sp., 240,000 inh., on Mediterr., cathed. blt. 1298–1448; Univ. fnded. 1280; palace burnt 1875; expts. iron, copper, cork, wood, wine, fruit; mnfs. silk, wool, cotton, shoes; ☠; federal outbreak 1874.

Barclay, 1] Robt., * 23/12 1648 Gordonstown, Moray, † 3/10 90 Ury, Kincardine, Quaker † /. 2] Alex., Brit. / of 16th cent., educd. Oriel Coll. Oxon, *ca.* 1495, † 1552; "Ship of Fools." 3] John, * 1582 Pont-à-Mousson, /, † 1621 Rome; "Argenis." 4] John, Scot. †, fnder. of sect of Bereans, * 1734, † 1798.

Barclay de Tolly, Mich., Prince, Russ. genl., * Livonia, 1759; war minist. 1810; commr.-in-chf. 12–13; Prince 15; † 14/5 18 nr. Insterberg.

Bar-coch-ab, Jew. leadr. 131–35, real name Simeon, procld. kng. of Jerusalem, deft. & killd. by Jul. Severus.

Bard, Brit. or Welsh poet & singer, anctly. exempt from taxes & ⚔ service.

Bardeleben, H. Adlf. * 1/3 1819 Frankfort-o.-Oder, prfessr. of surgery, Berlin, 67. /.

Bardi, Giov., Florent. math. & ♛, 17th cent.

Bardsey Island, off Carnarvonsh., Wales, last retreat of Welsh bards, *temp.* Edward I.

Bardwan, or Burdwan, div. of Bengal, B. Ind., 12,719 s.m., 7,290,000 inh. Distr. in B. of same name, 3,523 s.m., 2,085,000 inh. Its cap. ⊙, B., 32,500 inh.

Barebones Parliament, or the Little P., 4/7 to 12/12 1653; from membr. namd. Praise-God Barbon.

Barèges, ⊙ & watrg.-pl., Htes.-Pyrénées, Fr. A spec. of wool fabr. namd. from the town.

Bareli, or Bareilly, distr. in Rohilkhand div. of B. Ind., 2,982 s.m., 1,510,000 inh., Hindus. Its cap. ⊙, B., 103,000 inh.

Barent, or Barentz, Wm., ⚓, * *ca.* 1530 Holl., discovd. Nova Zembla 94, † there 1597.

Barère de Vieuzac, Bert., Fr. revolut., * 10/9 1755, memb. Comm. of P. Safety, 93; banisd. 95 & 1816; returnd. 30; peer; † 14/1 41. /; calld. "Anacreon of the Guillotine."

Baretta, or Biretta, cap without brim, anctly. worn by judges, now by R. C. priests.

Baretti, Jos., * 1716 Turin, came to London 51, secretary to Roy. Academy, † 1789. /.

Barfleur, fishng. ⊙ Manche, Fr., burnt by Hastings 888, takn. by Edw. III. of Eng. 1346.

Barfod, P. F., Dan. ♛ /, * 1811.

Bargagli, Scipione, Ital. ✓, * *ca.* 1560, † 1612.

Bargander, or Sheldrake duck, ornith., *tadorna vulpanser.*

Bargiel, Woldemar, ♫, * 3/10 1828 Berlin.

Barham, Rev. Rich. Harris, humor. & poet. ✓, * 6/12 1768 Canterbury, † 17/6 1845 London. "Ingoldsby Legends."

Bari, prov. Ital., 605,000 inh. Its cap. ⊙, B., on penin in Adriat., bpric., large trade, 52,000 inh.

Bari, negro tribe on White Nile, cap. ⊙, Gondoroko.

Bariatinski, Prince Alex., Russ. fld.-marshal, * 1814, commd. 50–62 in Caucas. agst. Schamyl, whom he captd. 59; † 9/8 79.

Baribal, zool., Amer. bear, *ursus americanus.*

Barile, liq. meas.; Ital. 7–17 gals.; Paraguay, Argentine, *ca.* 67 qrts.; Uruguay, *ca.* 70 qrts.

Barilla, the ash of sea-weeds & plnts., chfly. contng. sodium carbonate. B. de cobre, native copper from Bolivia.

Baring, 1] Sir Francis, Eng. financier, * 18/4 1736 Exeter, fnder. of Baring Bros., bankers, † 12/9, 1810 Longleath. **2]** Alex., Lord Ashburton, s. of **1**, * 1774, † 1848. **3]** Franc. T., grd.-s. of **1**, Eng. states., * 1796, creatd. Lord Northbrook 4/1 1866, † 6/9 66. **4]** Thos., brothr. of **3**, polit. & financ., * 1800 † 18/11 73. **5]** T. G., 2nd Lord Northbrook, * 1826, succd. 66, Ld. of Adm. 57–58; Und. Sec. for Ind. 59–64; Und. Sec. for War 61 & 68–72; Und. Sec. Home, 64–66; Gov. Genl. of Ind., 72–76, creatd. Earl of Northbrook 76, First Ld. of Adm. 80–85; H. Commis. to Egypt 84.

Baring-Gould, Rev. Sabine, Eng †, rom., biog., & Ψ ✓, * 1834 Exeter. "John Herring."

Baringo, Afr. lake, under equator, 36° E.

Baritone, or barytone, ♫, voice betw. tenor & bass.

Barium, ♃ & ♁, a metal occurg. in nature as carb. & sulphate of barium, obtaind. in metal. state by Davy; silver white. Bar.-sulphate is heavy spar; bar.-carbonate is witherite; monoxide of barium is baryta (BaO); *v.* Barytes.

Bark, the extern. coverg. of trees, the skin; composd. of outside or *epidermis*, midd. or *cortex*, innr. or *liber;* cellular tissue. Used in tanning. B. sometimes means Peruvian B. (*q.v.*).

Bark, *v.* Barque.

Barker, 1] Edm. H., class. & crit. ✓, * 22/12 1788, † 21/3 1839 London. **2]** Lady Mary Anne, ✓ for children, * *ca.* 1833 Jamaica.

Barking, ⊙ in Essex, on Thames, 6,100 inh. Abbey fnded. *ca.* 667, little remains.

Barlaam and Josaphat, Sts., Story of; Christ. myth., a Christianised version of the legend of Buddha, popular in midd. ages; orig. unknown; possibly. writn. by Rudolf of Ems, 13th cent.

Bar-le-Duc, cap. ⊙ Meuse, Fr., 17,000 inh.; hd.-qrts. of kng. Will. of Pruss. 24/8 1870.

Barletta, ⚓ ⊙ prov. Bari, Ital., on isle in Adriat.; archbpric., cathed., trade, 30,000 inh.

Barley, ♃, *hordeum.* Scotch or pot barley has the husk removed; pearl barley is further ground into a rounded form.

Barley-bird, or wryneck, ornith. *yunx torquilla.*

Barley-break, old Eng. game resemblg. prisoner's base.

Barley-corn, lin. meas. = ⅓ inch.

Barlow, 1] Joel, Amer. poet. ✓, & polit., * 1775 Connecticut, † 22/12 1812 Czarnowich, Poland. "The Columbiad." **2]** Franc., Eng. ◉, * 1626, † 1702, engravr. **3]** Peter, Eng. math. & ◎, * 1776 Norwich, † 1862, ✓. **4]** Thos. Oldham, engravr., * 4/8 1824 Oldham, elected A.R.A. 73, R.A. 81.

Barmecides, descndts. of Barmak; a Pers. fam. that rose to powr. under Abbaside Khalifs. Jaafar, a B., was vizier of Haroun-al-Raschid, who executd. him 802. Barmecides' Feast, *v.* Story of Barber's 6th Brothr., in "Arabian Nights"; a feast of imaginary food.

Barmen, ⊙ Rh. Prussia, joing. Elberfeld; silk, cotton, ribbon, dyeing, 88,000 inh.

Barmouth, or Abermaw, ⊙ Merionethsh., N. Wales, at mth. of Mawddach ⅄; bathing; 1,600 inh.

Barnabas, St. (Joses), Levite of Cyprus. 11/6.

Barnabites, relig. ord. fnded. 1533 Milan; preachg. & visitg. sick.

Barnacle, zool., the name for pedunculated & sessile cirripeds; specially the *lepadidæ*, commn. on piles & ships' bottoms. Also a name for the bernicle goose, *anser leucopsis*, fabled to have been developd. from barnacles.

Barnard, 1] Lady Anne, • 1750, † 1825. / "Auld Robin Gray." 2] Fred. Aug. P., Amer. math. & nat. phil. /, • Mass. 1809. 3] Dr. Henry, American educational /, • 1811 Hartford, Connecticut.

Barnard Castle, ⊙ Durham, on Tees; castle fnded. 1180, besiegd. 1569; ruins; carpets, cloth, shoe-thread; cornmarket; 4,600 inh.

Barnaul, ⊙ Siber., 13,600 inh. ⚒.

Barnave, Ant. P. J. M., Revolut., • 22/10 1761 Grenoble, memb. of Nat. Assn. 89; guillotd. 29/11 93.

Barnay, Ludw., ☉, • 11/2 1842 Pesth, joind. stage 60; trag. & charact. parts.

Barnes, 1] Albert, Amer. †, • Rome, N. York, 1/12 1798, † 24/12 1870 Philadelphia. /. 2] Barnaby, Eng /, • 1568, † 1607. 3] Rev. Willm., philol., • 1800 Bagber, Dorsetsh., † 86.

Barnet, or Chipping B., ⊙ Herts, 11 m. N. of London, ⚔ 14/4 1471; 4,100 inh.

Barnett, 1] John, ♥, • 1/7 1802 Bedford; operat. /. 2] His neph., J. F., • 6/10 1838 London, ♥ comp. & pianist.

Barneveldt, Johan van Olden, Dutch patriot, • 1547 Amersfoort in prov. Utrecht; at siege of Leyden 75; offerd. sovereignty to Eliz. Q. of Eng. 85; advoc.-genl. of Holland 85, resignd. 92, but resumd. office till 1618, defended Arminianism; condemned by Synod of Dort. executd. 14/5 19.

Barney, Joshua, Amer. ⚓, • 6/7 1759 Baltimore, commod. in U.S. navy, † 1/12 1818 Pittsburg.

Barni, Jul. Romain, ⚖, • 16/6 1818 Lille, † 4/7 78 Mers. Transltd. Kant.

Barn-Owl, white O., or screech O., ornith., *strix flammea.*

Barnsley, ⊙ W. Ridg. of Yorksh.; damask, linen yarn, coal, iron, glass; 30,000 inh.

Barnstaple, ⊙ N.W. Devonsh., on Taw; pottery, tanng.; creatd. a borough *ca.* 930; 12,300 inh.

Barnum, Phin. Taylor, Amer. showman & speculator, • 5/7 1810 Bethel, Conn. / Autobiography.

Barocchio, 1] or Barozzi, Giac. da Vignola, Ital. △, • 1507, succd. Mich. Angelo as △ of St. Peter's, † 1573. /. 2] Federigo, ☻, • 1528 Urbino, † 30/9 1602.

Baroche, P. Jul., Fr. statesm., • 18/11 1802 La Rochelle; Min. of Inter. 50, & under empire, † 2/11 70 Jersey.

Baroda, cap. ⊙ of Gaekwar's domins., Ind., 231 m. N. of Bombay; trade; ☸; Hindu temples; R.; 115,000 inh.

Barometer, an instr. to meas. the wght. or pressure of the atmosphere; mercurial or aneroid (*q.v.*). Mercurial B. is a glass tube 3 ft. long, seald. at one end, fild. with mercury, & invertd. into mercury. The height of the merc. in tube is

then proportionate to the atmospheric pressure. Invnt. by Torricelli. Many modificatns.

Baron, a title of honour; in Gt Brit. the lowest ord. of peer; introd. by Normans. Style "Rt. Honourable." Title was also givn. to certain judges & law officers. Coronet bears six equidistnt. pearls. In Fr. & Germ., highest class of lowr. nobility. Baron of beef, the two undivided sirloins of beef.

Baron, Mich., ✆, * 8/10 1653 Paris, joind. stage 67, † 3/12 1729 Paris. Reformd. trag. art in Fr.

Baronet, in Gt. Brit., a dignity next below that of baron; hereditary knight; ord. fnded. 1611 by James I. Style, "Sir." Granted by patent.

Baronius, Cæsar, *Ital. monk,* card., & † ✠ /, * 1537, † 1607. "Annales Ecclesiastici."

Baross, ⊙ nr. Tarifa, Sp., ⚔ 5/3 1811, Brit. deftd. Fr.

Barque, or Bark, a three-masted ship without mizzen-topsail; a broad-sternd. vessel without a figure-head; a small ship.

Barquisimeto, ⊙ in Venezuela, fnded. 1522, earthqk. 1812; 12,000 inh.

Barra, or Barray, one of the Hebrides Isles, S. of S. Uist, off Inverness-sh., Scot., 8 × 4 miles; fishng.; lighthe. 680 ft. above h. water; 1,500 inh.

Barrackpur, ⊙ 15 m. from Calcutta, Ind., on Hugli; ⚔ cantonmt. since 1772; country residce. of Gov.-Gen.; orig. of mutiny 1857; 10,000 inh.

Barracks, permanent buildings for the lodging of troops.

Barral, J. Aug., Fr. nat. phil. & ⚗, * 1819 Metz.

Barras, P. F. J. N., Ct. de, leadr. of Fr. Revol., * 30/6 1755 Provence; memb. of Directory till 9/11 1799; † 29/1 1829 Paris.

Barratry, ⚖, fraud in masters or sailors by wh. owners or freighters of a ship are injured.

Barraux, Fr. ⊕ Isère, blt. 1597.

Barré, Isaac, Brit. ⚔ & polit., * 1726, † 92.

Barrel, an O. Eng. meas., 31½ galls. of wine or 36 of beer. B. of butter, Essex 106 lbs., Suffolk 256 lbs. B. of herrings, 32 gals. Amer. B., from 28–31 gals.

Barrelier, Jacq., ✠, * 1606 Paris, † 17/9 1673. /.

Barrel Organ, an organ the keys of which are playd. by the revolutn. of a barrel set with pins.

Barri, Girald. de, or Giraldus Cambrensis, * 1146 Manorbier, S. Wales, educatd. Paris Univ.; interim bp. of St. David's 1180–84; pacifd. Wales 85; tutor to Prince John 85, went to Fr. 1189; coadj. Regent of Engld. under Rich. I.; † 1220 St. David's. / "Itinerarium Cambriæ."

Barricade, obstacle formd. in streets by means of paving-stones, vehicles, &c., supportd. by barrels fillid. with earth. Days of the Barricades in Paris, 12/5 1588, 27/8 1688, 27/6 1830, 24/2 1848, 23/6 1848, 2/12 1851.

Barrier, Treaty of the, 15/11 1715, Antwerp, betw. Emp. of Germ., K. of Grt. Brit., & Netherlands.

Barrière, Theod., ✆ /, * 1823 Paris, † 16/10 1877.

Barrier Reef, The Grt.. coral reef N.E. of Austral., extendg. from Torres Strts. S.E. for 1,260 miles; 10 to 100 m. from shore.

Barrington, 1] Hon. Daines, Ψ, ⚖, & zool. /, * 1727, † 11/3 1800. 2] His fathr., John Shute, Visct. B., Eng. polit. & † /, * 1678, † 1734. 3] Sam., Brit. ⚓ offr., * 1729; deft. Fr. off St. Lucia 78; † 1800. 4] Sir Jonah, memoir /, * 1767, † 1834.

Barrique, liq. meas. Bordeaux, *ca.* 50 gals.

Barrister, a counsellor qualifd. to plead at the bar & defend interests of clients; in Eng., a member of one of the 4 Inns of Court; wears stuff gown & short wig; a junior counsel. A Queen's Counsel wears silk gown and, on

state occasns., a full wig. There are about 7,000 B.s & 300 Q.C.s.

Barroccio, *v.* Barocchio.

Barron, Sam., Commod. Confed. S. ⚓, • Virginia, *co.* 1798; Capt. U.S. ⚓ 55; defend. Ft. Hatteras.

Barros, João de, Port. ♛ /, • 1496, † 20/10 1570; calld. Lion of Portugal. "Asia Portugueza."

Barrot, Odilon C. H., Fr. statesm., • 19/7 1791 Villefort; 1848–51 Min. of Just., † 6/8 73.

Barrow, a large sepulchral mound; commn. in Brit., Eur., & Amer.; of unknown antiqty; *e.g.* Silbury Hill, nr. Marlboro'.

Barrow, 1] Isaac, Eng. math. & † /, • *1630*; Mastr. Trin. Coll. Cam.; † 1677; tutor of Sir Isaac Newton. 2] Sir John, Eng. scient. / & travelr., • *1764*, creatd. bart. 1835, Pres. Royal Geog. Society, † 48.

Barrow Point, N. Alaska, discvd. by Beechey 1826.

Barrow-in-Furness, ⚓ ⊙ N.W. Lancash., Engl., on penin. of Furness. Morecambe Bay; steel works; docks opend. 1867, & since extend.; ship-bldg.; ruind. Furness Abbey, fnded. 1127. Ret. 1 memb. Parlt.; 51,000 inh.

Barrow's Straits, channel betw. Baffin's Bay & Melville Sound, N. Amer., 200 × 60 m.; discovd. by W. Baffin 1616; explord. by Sir Edw. Parry 1819, & namd. B. S. instead of Lancaster Sound.

Barry, 1] Sir Chas., Eng. △, • 23/5 1795 Westminster; † 12/5 1860, designd. Houses of Parlt. fnded. 1840. 2] James, ⊕, • 11/10 1741 Cork, † 22/2 1806. 3] Mrs. Elizabeth, trag. ☾, • 1658, † 1713. 4] Spranger, Ir. ☾, • 1719 Dublin, joind. stage 44, † 77. 5] His wife, Barbara Anne, ☾, • 1733, † 1801. 6] Dr. Alfred, ✝, • 1826, Prin. of King's Coll., London; Bp. of Sydney, Austral., 83; Prim. of Austr. /. 7] Edw. Middleton, brothr of 6, & s. of 1, ▲, • 1830, R.A. 70, † 27/1 80.

Barry, Marie Jeanne Vaubenier, Ctess. du, • 1744, mistr. of Louis XV. 69–74; executed 6/11 1793 Paris.

Barry Cornwall, *v.* Procter, B W.

Bar-sur-Aube, ⊙ Champagne, Fr., 5,000 inh.; ⚔ 27/2 1814.

Bart, Jean, ⚓, • Dunkirk 1650, servd. with De Ruyter, actd. as privateer agst. Holland; captd. by Eng. 89, escapd., creatd. capt., ennobled 94; † 1702. Bravest of Fr. seamen. His s. Franç. † as Vice-Adm. 1755.

Bartas, Guill. de S., Sieur du, Fr. poet. /, • 1544, † 90.

Bartenstein, ⊙ E. Pruss., on Alle, 7,200 inh.

Bartfeld, ⊙ Hung. 5,500 inh., formerly gold ⚒.

Barth, H., travlr., • 16/2 1821 Hamburg; discvd. Binue 18/6 51, Gando 52; travld. in Eur. Turk. 64; † 26/11 65. /.

Barth, ⚓ ⊙ Pomerania, 5,800 inh.

Barthel, Karl, ♛ & crit. /, • 21/2 1817, Brunswick, † there 22/3 53.

Barthélemy, 1] J. J., Ψ, • 20/7 1716 Cassis, † 30/4 95 Paris. "Voyage du jeune Anacharsis." 2] Franç., Marq. de, Fr. dipl., • 20/10 1747 Aubagne, senator 1800, † 3/4 30. 3] Aug. M., Fr. poet. /, • 1796 Marseilles.

Barthélemy St. Hilaire, Jul., statesm. & schol., • 19/8 1805 Paris; transltd. Aristotle; secrety. of Prov. Govt. 48; secrety. to Thiers 71–73; senat. 76; For. Min. 80–81. / Ind. mythol.

Barthez, P. J., Fr. ⚕ & physiol. /, • 1734, † 1806.

Barthold, Fried. Wm., ♛ /, • 4/9 1799 Berlin, † 14/1 1858 Greifswald.

Bartholine, Thos., Dan. ⚕, • 20/10 1616, discovd. lymphatic vessels, † 4/12 80.

Bartholomew Fair, held at Smithfield 24/8 1133–1855.

Bartholomew, St., the Apost. 24/8.

Bartholomew's Day, Massacre of Fr. Prots. on St., 24–25/8 1572.

Bartlett, 1] John R., Amer. ethnol. ⁄, * 23/10 1805 Providence; 2] Ellis Ashmead, * 1849 Mass., U.S.A., M.P. Eye 80, Eccleshall 85; Junr. Ld. of Adm. 85. 3] Wm. Henry, ⁄ & ⊕, * 1809, † 1854.

Bartoli, 1] Taddeo, ⊕, * 1363 Siena, † 1422. 2] P. Santi, ⊕ & engravr., * 1635 Bartola, † 1700 Rome. 3] Danl., Ital. ⚓, ♛ & ✝ ⁄, * 1608, † 85.

Bartolini, Lor., Florent. ⌕, * 1778, † 1850.

Bartolommeo, Fra. (Baccio della Porta), grt. ⊕, * 1475 Savignano, † 8/10 1517 Florence.

Bartoloni, Franc., engravr., * 21/9 1728 Florence, † 1/4 1813 Lisbon.

Bartolus. Ital. ⚖ 1317–67. ⁄.

Barton, 1] Benj. Smith, Amer. zool., ⚓, & ⚘, * 1766, † 1815. 2] Elizabeth, "the holy maid of Kent," relig. impostr., executd. 21/4 1534. 3] Bernard, Quaker, poet. ⁄, * 31/1 1784 London, † 19/2 1849. 4] Andr., Scot. ⚓ commdr., killd. 1512.

Barton Beds, ⚒, strata at base of Upper Eocene.

Bartram, 1] J., Amer. ⚘, * 1701, † 77. 2] His s. Willm., ⚘, * 1739, † 1823.

Bartsch, 1] J. Ad. Bern. v., engravr. & art ⁄, * 17/8 1757 Vienna, † 21/8 1821. "Peintre-Graveur." 2] Karl Fr., philol., * 25/2 1832 Sprottau, Prof. at Heidelberg 71. ⁄.

Baruch, apocryph. book of O. Test., naml. after a friend of Jeremiah.

Barye, Ant. L., Fr. ⌕, * 24/9 1795.

Baryta, *v.* Barium.

Barytes, ⊕, Heavy Spar, a commn. min.; sulphate of barium; tabular or prism. crystals; also massive; usly. white; heavy, but soft; unchangd. by actn. of air, & usd. for permanent white paint.

Basalt, ⚒, dark rock of compar. recent igneous orig.; composn. variable, but genlly. augite & felspar; oftn. found in reg. pillars of 3 or more sides; *e.g.* at Giants' Causeway & Fingal's Cave.

Basanite, ⊖, Lydian stone, or touchstone, usd. for detectn. of alloy in metals.

Basantello, ⊙ nr. Tarento, Ital., ⚔ 13/7 982 Emp. deft. by Grks. & Saracens.

Bas-bleu, Fr. = blue-stocking; a learned & pedantic woman.

Bascom, John, Amer. scient. & ✝ ⁄, * 1/5 1827 Genoa, N.Y.

Base, ⚗, that which combines with an acid to form a salt; the oxide of a metal, or group of metal. elements.

Basedow, J. Bern. (Bern. Nordalbingen), educat. reformr., * 11/9 1723 Hamburg, establd. Philanthropinum at Dessau 74, † 25/7 90 Magdeburg.

Basel, *v.* Basle.

Basevi, Geo., Eng. ⚠, * 1794, † 1845.

Bashahr, *v.* Bassahir.

Bashee Isles, grp. of 9 betw. Luzon & Formosa; Sp. possessns.; h.-qrts. on Grafton I.

Bashi-Bazouks, Turk. or Arab. irregular troops, genlly. of turbulent character; *Mustahafiz.*

Bashkirs, Tartar peop. in Russ. betw. Ural & Volga.

Basil, 1] St., the Grt.; emint. fath. of Grk. Ch., bp. of Cæsarea, 4th cent.; fest. Grk. Ch. 1/1, Lat. Ch. 14/6. ⁄. 2] *v.* Basilius.

Basil, 1] tanned sheep-skin. 2] ⚘, *ocymum basilicum,* sweet B.; *calamintha clinopodium,* wild B.

Basileus, Grk. = king; title of 2 Archons at Athens.

Basilica, anctly. a palace; a public hall of audience; in ⚠, a church built on the mod. of anct. halls, with single or double aisles & a wide nave.

Basilicata, anct. name of prov. Potenza, Ital.; 4,120 s.m.; *ca.* 505,000 inh. Cap. ⊙, Potenza.

Basilides, ✠ of Alexandria, 2nd cent., Gnostic; fnded. sect of Basilidians. ✓.

Basiliscus, Grk. Emp., † 477.

Basilisk, zool., *basiliscus*, a gen. of *iguanidæ*, with fin-like elevatn. on back, & no throat-pouch; Guiana, Ind. Archipel., &c. Also a fabulous animal.

Basilius, or Basil, 1] I., Emp. of Constantinople 866–86. ✓. 2] II., Emp. of Const. 975–1025.

Basin, ⚒, a concave depressn. of strata. In ○, the country draing. into a river, lake, or sea.

Basing, Lord, v. Sclater-Booth.

Basingstoke, ⊙ Hants, Eng., 6,700 inh.; Basing House defend. by Marq. of Worcester 1645.

Basis, the lower plane of a pedestal. △, the foot of a column.

Baskerville, John, Eng. typog., * 1706, † 75 Birmingham; his prodtns. beautiful & rare.

Basle, Bâle or Basel, a Canton of Switz., 125,000 inh. Its cap. ⊙, B. on Rhine; gloves, paper, leather, ribbons; Cathed. 11th cent.; Univ. fnded. 1459. Council of B. 1431–43; 62,000 inh.

Basle, Confession of, 1534, in 11 articles, wh. still express faith of Ch. of B.

Basnage, distingd. Fr. Prot. family, 16th & 17th cents.

Basque Provinces, distr. of N. Sp., comprisg. prova. of Vizcaya, Guipuzcoa, & Alava; inh. by a distinct race with a pecul. language, & pecul. polit. privileges; area 2,958 s.m.; 460,000 inh.

Basra, Bassora, Balsora, or Bussora, ⊙ As. Turk., in pashalik of Bagdad, on Shat-el-Arab, nr. Euphrates ⅄; trade, horses, gold, pearls, coral, fruit; 60,000 inh., chfly. Arab. & Pers.

Bas-relief, Basso-relievo (*q.v.*).

Bass, Geo., Eng. navigat. and ✈ 18th cent., discovered B. Straits 1798.

Bass, 1] 𝄢, lowest part in harmony of a compositn. B. viol, violoncello. 2] Corruptn. of bast (*q.v.*), innr. bark of lime tree, usd. in mat-making, &c.

Bass, *v.* Basse.

Bassahir, or Bashahr, a Rajput hill state under superintd. of Lt. Gov. of Panjab, Ind., on Sutlej; 3,320 s.m., 95,000 inh.

Bassano, ⊙ prov. Vicenza, Ital., on Brenta; silk; ✕ 1796, Austr. deftd. by Napol.; 14,000 inh.

Bassano (Giac. da Ponte), ●, * 1500 Bassano, † 13/2 92; fnder. of genre ●. His son Francesco, ●, 1548–91.

Bassantin, or Bassintoun, Jam., Scot. ✱ & astrol., † 1568. ✓.

Basse, or Bass, ichthy., gen. of bony fish of fam. *percidæ*, commn. on Europ. coasts, & in fresh water of N. Amer. The *labrax* of the Grks.; the *lupus* of the Roms. A marine perch. A sea-fish of Chesapeake Bay.

Bassein, 1] distr. on coast of Bay of Bengal, formg. pt. of Burmah, captd. by Brit. 1852; rice trade; 6,517 s.m., 323,000 inh. Its cap. ⊙, B., on B. ⅄, an arm of Irawadi; 20,000 inh. 2] ⊙ in Tauna distr., 21 m. N. of Bombay, captd. by Brit. 1780; annexd. by Brit. 1818; trade. Belonged to Port. 1531–1750.

Basselin, Olivier, song ✓, 16th cent. "Vaux de Vires."

Bassermann, Fr. Dan., polit., * 24/2 1811 Mannheim. ✓.

Basseterre, 1] cap. ⊙, Isle of St. Christopher, W. Ind., 5,000 inh. 2] ⊙ Guadaloupe, ✱. 3] ⊙ Marie Galante Isle.

Basset-horn, *v.* Corno di Bassetto.

Bassia, ✱, gen. of *sapotaceæ*; large E. Ind. & Afr. trees, incl. butter-tree.

Bassompierre, Franç. de., Fr. marsh., * 12/4 1579 Harouel, favt. of Henry IV. & Louis XIII., imprisd. 1631, liberatd. 43, † 12/10 46.

Bassoon, 𝄢, bass wind reed instr., a *fagotto*, compass 3 octs., invntd. *ca.* 1539.

Bassora, *v.* Basra.

Basso-relievo, ♘, work executd. on flat surf. in low relief; *i.e.* projectg. but little above the plane.

Bass Rock, conical isle 350 ft. high, off mth. of Firth of Forth, E. Scotl.; ♚ dismantld. 1701; cavern; Solan geese.

Bass's Straits, channel 140 m. wide betw. Tasmania & Austral.; discovd. by Geo. Bass, a naval surgeon, 1798; coral reefs.

Bast, Fred. J., schol. & crit. ✓, * *ca.* 1772, † 15/11 1811 Paris.

Bast, or *liber*, the fibrous inner bark of trees. Cuba B., fibres of *paritium elatum*, usd. for tying plants &c.

Bastar, feudat. state in C. Provs. B. Ind.; rice, sugar, grain; ▲ous.; 13,000 s.m.; 80,000 inh.; cap. ⊙ Jagdalpur, resid. of Raja.

Basti, distr. of Benares div., of B. Ind.; rice, millet; 2,787 s.m., 1,480,000 inh. Chf. ⊙s, Mendhawal, Basti.

Bastia, ⚓ ⊙, E. Corsica, formly. cap. of isle; trade; law-courts; soap, wax, leather, liqueurs, wine, olives, oil; harb., ♚; 22,000 inh.

Bastian, 1] Adolph, travelr., * 26/6 1826 Bremen, ethnol., ✍, ⊙ ✓, &c. 2] Dr. Henry C., nat. ☘ ✓ & ⚷, * 26/4 1837 Truro.

Bastiat, Fred., polit. econ. ✓, * 29/6 1801 Bayonne, † 24/12 50 Rome; Free Trader.

Bastide, Jul., revolut. journ. ✓, * 22/11 1809 Paris, † 2/3 49.

Bastien-Lepage, Jul., realist. ●, * 1/11 1848 Damvillers, † 85.

Bastille, fortress, prison; castle in Paris, blt. *ca.* 1370; usd. as state prison; demold. by people 14/7 1789.

Bastinado, Orient. punishmt.; beatg. on soles of feet. In Turk., *sarb.*

Bastion, fortificatn., a mass of earth faced with sods or masonry, standg. out beyond a rampart so as to cover its faces with cross-fire; usly. of 4 lines & 3 salient angles.

Basutoland, distr. of S. Afr., most N.E. pt. of Cape Colony; table-land; separd. from Natal by Drakenberg ▲; climate good; fertile; procld. Brit. terr. 1868; annexd. 71; 10,293 s.m.; 129,000 inh.; few Europeans.

Bat, zool., *cheiroptera*, ord. of mammals, havg. fingers of fore-limbs enormously elongtd. & webd. with membrane wh. also extnds. to hind limbs & flanks, & serves as wings. Thumbs are shortr. & have claws; commn. in all countries; some insectiv. & some frugivorous; long-eard. & nocturn. B.s commn. in Brit. Vampire B., S. Amer.; Fox B., Pacif. Archipel. & Afr.

Bata, people in Sumatra, 150,000.

Batatas, ☘, *B. edulis*, the sweet potato, nat. ord. *convolvulaceæ*, discvd. 1519 Brazil; there are non-edible B.s.

Batavi, or Badai, anct. inh. of S. Holland, tribe of the Catti.

Batavia, large ⚓ ⊙ N. Java, cap. of isle & of Dutch possessns. in E., fnded. 1619; Brit. from 1811–16; on Jacatra; dockyard on Onrust Island; grt. trade; coffee, pepper, sugar; 100,000 inh.; earthqk. 83.

Bathie, An. Polyc., polit. econ. ✓, * 31/5 1831 Seissan; ministr., senator.

Bateman, Kate Josephine, Amer. ♀, * 1842 Baltimore, m. Geo. Crowe 66.

Bath, 1] chf. ⊙ Somersetsh., Eng., on Lwr. Avon; hot springs; fnded. by Romans 44 as *Aquæ Solis*; fashble. resort; Abbey Ch. finsd. 1540; bpric.; 58,000 inh. Rets. 2 memb. Parlt. 2] ⊙ Maine, U.S.A., on Kennebec, 7,000 inh., shipg. trade.

Bath, Hebr. liq. meas. = 1965·77 cub. inches.

Bath, Order of the, *v.* Orders.

Báthori, 1] Steph., vaivode of Transylvania 1571, kng. of Poland 74, fnded. univ. of Wilna, † 86. 2] Sigismund, vaivode of Transyl., † 1613. 3] Gabr. s. of 1, vaivode of Transyl. 1608, killd. 13.

Bathos, a descent, in language, from the elevatd. to the ludicrous.

Bath-stone, or Grt. Oolite, a spec. of limestone, hardens by exposure; usd. for bldng., but not durable; fnd. near Bath.

Bathurst, 1] Allen, 1st Earl B., statesm., * 1684, creatd. peer 1711, † 16/9 75. 2] His s. Henry, 2nd Earl, * 1714, Sol.-Genl. 46, Commn. of Grt. Seal 70, Chancellr. 71, † 94.

Bathurst, 1] ⊙ New S. Wales, or Macquarie, fnded. 1815; gold discovd. 1851; Eng. & R. C. bprics.; 18,000 inh. 2] Brit. ⊙ Gambia, on St. Mary Isle, fnded. 1816, 6,000 inh.

Bathybius, pecul. slimy matter dredgd. from N. Atlantic in 1857 from depth of 25,000 ft., supposd. to cont. protoplasmic substance.

Bathyllus, ✆, freedman of Mæcenas.

Batinskcov, C. N., Russ. poet. ✓, * 1787, † 1816.

Batiste, finest kind of linen.

Batman, Pers. & Orient. meas. of weight. In Smyrna B.=6 okes, =2,400 drms.

Batrachia, zool., ord. of amphibious anims., incl. frogs & toads; also calld. *Anoura;* hind limbs have webd. toes; develop from larvæ known as tadpoles, with broad head, compressd. tail, & gills, but these soon disappear; adult has lungs, soft skin, & no ribs.

Batrachomyomachia, "Battle of Frogs & Mice;" comic epic, parod. of "Iliad," 500 B.C.

Batsch, Adm. K. F., * 10/1 1831 Eisenach, chf. of Kiel Dockyard 81.

Batta, extra allowance to ✕ offrs. in serv. of Brit. govt. in Ind.

Battalion, a div. of an inf. regiment, usly. of about 1,000 men on war strength; the tactical unit of infantry; divd. into companies; commnd. by a lt.-colonel.

Battas, or Batak, distr. of Sumatra, 1,600,000 inh.

Battenberg, ⊙ Nassau, on Eder, castle, 1,000 inh.

Battenberg, 1] *v.* Alexander 8. 2] His fathr., Alex. of Hesse-Battenberg, Austr. fld.-marshal. 3] Prc. Henry of, brothr. of 1, * 5/10 1858, m. 23/7 85 Pcess. Beatrice, d. of Q. Victoria. 4] Prce. Louis of, capt. R.N., * 24/5 1854, b. of 1, m. 30/4 1884 Pcess. Victoria of Hesse.

Battering-ram, anct. milit. engine, consistg. of beam, suspend. to frame by ropes, & impelld. by men against walls; sometimes mounted on wheels.

Battersea, borough, Surrey, on Thames, 74,000 inh. Rets. 1 M.P.

Battery, tactical unit of artillery, field usly. 6 guns; siege 4–8 guns. Also any numbr. of guns behind an epaulement. In Electrcty., a connectd. series of Leyden jars; a voltaic series of cells.

Batteux, Chas., crit. ✓, * 16/5 1713, † 14/7 80 Paris.

Batthyany, nob. Hung. fam., 1] Prince Karl, * 1697 f.-marshal under P. Eugène, † 15/4 1772. 2] Count Louis, * 1806 Presburg, presdt. of Hung. min. 48, shot 6/10 49. 3] Count Casimir, * 4/6 1807, ministr. 49, † 13/7 54 Paris.

Batticaloa, 1] isle off E. of Ceylon. 2] distr. of Ceylon, 13,060 s.m., 35,000 inh.

Battle, ⊙ Sussex, Eng., 8 m. N.W. of Hastings, scene of ✕ of Hastings or Senlac 14/10 1066 betw. Will. I. & Harold. Abbey fnded. by victor. Mnfs. gunpowder; 3,400 inh.

Battlement, ▲, wall raisd. on summit of a bldg., with embrasures; origlly. for milit. purposes; now ornamental.

Battle of the Spurs, 1513, Guinegate, Eng. deftd. Fr.

Battle of the Standard, 1138, Northallerton, Eng. deftd. Scots.

Battoni, Pompt., ✎, * 5/2 1708 Lucca, † 4/2 87 Rome.

Batoum, ⚓ ⊙ E. coast of Black Sea, 110 m. N.E. of Trebizond;

good harb., annexd. to Russ. 1878; 2,500 inh.; formly. grt. trade. Anct. ⊙, Bathys.

Battue, shooting driven game within an enclosure.

Battus, 4 kings of Cyrene, 7th & 6th cents. B.C.

Batu, isle of Malay Archipel., W. of Sumatra; volcan., wood, cocoa-nuts, oil; 400 s.m.

Batuta, Ibn, Moor travelr., 14th cent. ✓.

Batzen, obsol. silv. coin, Switz. & S. Germ.=1d.–1½d.

Bau, villg. Schleswig, ⚔ 9/4 1848, 1,300 inh.

Baudissin, 1] Wolf, Count v., * 30/1 1789 Rantzau, † 4/4 1878 Dresden, transltd. Shakespeare, Molière, Goldoni into Germ. 2] His brothr., Otto F. M., * 5/7 1792 Rantzau, genl., † 25/6 1865. 3] Adalb., Count v., ✓, * 25/1 1820, † 28/3 1871 Wiesbaden. 4] His brothr., Ulrich, ✓, * 22/2 1816 Greifswald.

Baudry, Paul Jacq. A., ♛ ⚭, * 7/11 1828 La Roche, † 17/1 86.

Bauer, 1] Caroline, ⚭, * 29/3 1807 Heidelberg, joind. stage 22, m. P. Leopold of Coburg 29; divorced 31; m. Count Plater 44, † 18/10 77 nr. Zurich. ✓ Memoirs. 2] Bruno, ✝, * 9/9 1809, † 13/4 82 Rixdorf. 3] His brothr. Edgar, ✝, * 1820 Charlottenberg. 4] Willm., ⚙, * 28/12 1822 Dillingen, † 18/6 75 Munich; raised sunk. ships. 5] Clara, Pcess. Detlef, rom. ✓, * 23/6 1836, † 29/6 76 Berlin.

Bauernfeld, Ed. v., ⚭ & poet. ✓, * 13/1 1802 Vienna.

Bauhin, 1] Caspar, ♛ ✓, * 17/1 1560 Basle, † there 5/12 1624. 2] His brothr. John, ♛ ✓, * 1541, † 1613.

Baumbach, R., ✓, * 28/9 1841 Kranichfeld.

Baumé, Ant., ⚗, * 26/2 1728 Senlis, † 15/10 1804 Paris. B.'s Areometer.

Baumgarten, 1] Alex. Gottl., ✝, * 17/7 1714 Berlin; finder. of mod. æsthetics, † 26/5 62 Frankfort-o.-Oder. ✓. 2] Mich., ✝, * 25/3 1812 Haseldorf, prof. at Rostock 50. ✓. 3] Herm., ♛ ✓, * 28/4 1825 Lesse, prof. Strasburg 72.

Baumgartner, Andr. v., Austr. math. & statesm., * 23/11 1793 Bohemia, Min. of Fin. 51, † 30/6 65. ✓ on ⚙.

Baumgärtner, Karl H., ♪, * 21/10 1798, prof. at Freiburg 24. ✓.

Baumstark, 1] Ant., philol., * 14/4 1800, † 28/3 76. 2] Edw., ✓, * 28/3 1807, prof. at Greifswald 48.

Baur, Ferd. Christ., ✝, * 21/6 1792 Kannstadt, fnded. Tubingen sch. of ✝, ✓, † 2/12 1860 Tübingen.

Bause, J. Fried., engravr., * 1738 Halle, † 1814 Weimar.

Bautain, L. E. M., ✝ & ✝ ✓, * 17/2 1796 Paris, † there 18/10 1867.

Bautzen, ⊙ Saxony, on Spree, 17,600 inh., cathed., ⚔ 20–21/5 1813.

Bauxite, earthy ◆, chfly. consistg. of oxides of iron & aluminium.

Bavaria (in Germ. *Bayern*), kingdm. of Germ. Emp., divd. into 2 pts., E. Bav., & the Palatinate (Rheinpfalz), 29,291 s.m., 5,500,000 inh., more than half R. C. ⛰s: Bav. Alps, Bohmerwald, Fichtelwald, Spessart. ⛵s: Danube, Rhine, Main, Lech, Inn, Isar. *Lakes:* Konigs, Chiem, Tegern, Walchen, Wurm, Boden. *Products:* coal, salt, iron, zinc, sulphur, graphite, cheese, tobacco, wine, hops, wood, beer, flax. Cap. ⊙, Munich (Munchen). ⊙s: Aschaffenburg, Lohr, Gemunden, Wurzburg, Schweinfurt, Neustadt, Bamberg, Kronach, Kulmbach, Baireuth, Erlangen, Nuremberg (Nurnberg), Ansbach, Ingoldstadt, Augsburg, Regensburg, Landau. ♛: The oldest inhabs. were Boii; conqd. by Rom.; occupd. by Boioarii, 5 & 6 cent.; pt. of Ostrogoth emp.; pt. of emp. of Franks, but allowd. to elect dukes of fam. Agilolfinger.

Last duke, Thassilo, conqd. by Charlemagne 788; possessd. by Guelphs 1070; possessd. by Otto, Count of Wittelsbach, ancestr. of prest. king, 1180. Duchy of B., 1227; right of primogen. in roy. family introd. 1507; became law 1573; annexed upper Palatinate 1621; Electorate 1623. Duke Charles Theod. 1777 added Palatinate & duchies of Juliers & Berg; treaty of Luneville, 1801, added lands on left bank of Rhine. Treaty of Presburg made B. a kingdm. 1/1 1806, exchang. Berg for Anspach & Nuremberg. Additns. of terr. by Treaty of Vienna 1809; & rearrangmts. by Treaty of Ried 1812, & Treaty of Munich 14/4 1816. Ludwig I. abdicd. 20/3 49; succd. by Max. II., † 10/3 64; succd. by Ludwig II., suic. 13/6 86. War with Austr. agst. Pruss. 66; alliance with Pruss. War with Pruss. agst. France 70–71. King Otho, mad, * 27/5 1848, succd. 13/6 86; Regent, his unc. Luitpold, * 12/3 21. Army on peace-footg. 48,244 men. Budget *ca.* £11,900,000; debt *ca.* £67,500,000.

Bavius, a bad Rom. poet, attackd. by Virgil.

Bawbee, anct. Scot. coin=¼d. to 1½d.; a halfpenny.

Baxar, or Buxar, ⊙ in dist. Shahabad, Bengal; Brit. vict. ⚔ 22/10 1764; 14,000 inh., R.

Baxter, Richd., * Rowton 12/11 1615; vicar of Kidderminster 40–62; nonconformist; imprisnd. 85, liberatd. 87; † 8/12 91. ✓ "Saints' Rest." Statue at K'minster 1875. 2] Willm., gramm. & crit. ✓, * 1650 Lanlugan, Salop, † 31/5 1732. 3] Robt. Dudley, statist, * 1827 Doncaster, † 20/5 1875. ✓.

Bay, ✱, *laurus nobilis*, leaves aromatic; anctly. used to form wreaths of honour.

Bayaderes, or Bajaderes, Ind. female dancers & singers; ptly. religious.

Bayan-Khara, ⛰, N.W. China, E. end of Pe-Ling ⛰.

Bayard, P. du Terrail, Chevalier de, celeb. Fr. warrior, * 1476 nr. Grenoble, † ⚔ Sesia ⚓ 30/4 1524; "*sans peur et sans reproche.*"

Bayazid, *v.* Bajaret, Bajazid.

Bayer, 1] J., ✱ & ✎, * 1572, † 7/3 1625 Augsburg. 2] Hieron. J.P., ✱, * 21/11 1792, † 13/6 1876 Munich. ✓. 3] Robt. ("Robt. Byr"), rom. ✓, * 15/4 1835 Bregenz. 4] Gottl. Theop. S., grd.-son of 1, Orient. & numism. ✓, * 1694, † 1738.

Bayer-Bürck, Marie, ♀, * 31/10 1820 Prague, joined the stage in 36.

Bayeux, © Calvados, Fr., bpric., cathed. fnded. 1047; 8,000 inh. The B. tapestry in Hotel-de-Ville, workd. by Matilda, w. of Willm. I. of Eng., represents Norm. Conqst., is divid. into 72 compartmts., & is 214 ft. × 20 in.

Bayle, Pierre, Fr. ✍ ✓, professor at Sedan & Rotterdam, * 18/11 1647 Carlat-le-Comte, † 28/12 1706. "Dictionnaire Historique et Critique," 1697.

Baylen, ⊙ Andalusia, Sp., ⚔ 19/17 1808, def. of Fr., 7,000 inh.

Bayly, Thom. Haynes, Eng. song & ♪ ✓, * 1797, † 1839.

Bayne, 1] Alex., Scot. ✱ ✓, * *ca.* 1696, Prof. at Edinburgh 1722, † 87. 2] Peter, biog. & † ✓, * 1830.

Baynes, Dr. T. Spencer B., editr. of "Encyclopædia Britannica," & ✓ on logic, * 24/3 1823 Wellington, Somersetshire, † 30/5 87.

Bayonet, from La Bayonette ▲, a thrusting weapon carried at muzzle of a rifle. Originld. in 17th cent., when a Basque regt. stuck their knives into their musket barrels to opp. the Spans.

Bayonne, ⊙ & ⚔ & ⚓ ⊕ Lowr. Pyrenees, Fr., on Nive & Adour, 3 m. from Bay of Biscay; dockyard, arsenal, ⚔ hospital; glass, sugar; bpric. Trty. of B. 5/5 1808, gave Sp. to Napol. I.; 27,000 inh.

Bayreuth, *v.* Baireuth.

Bay-rum, distilld. rum in wh. bay-leaves have been steeped; almost colourless; used for the hair.

Bay-salt, coarse salt, chfly. obtnd. from salt-marshes or salt-erns, where sea-water evaporates.

Bayswater, N.W. suburb of London, *ca.* 60,000 inh.

Bay-window, a projectg. wind., risng. from basement in semi-polygonal, straight-sided form.

Baza (anct. ⊙, Basti), ⊙ Andalusia, Sp., takn. from Moors 1489, bpric., cathed., 12,500 inh.

Bazaine, Franç. Ach., French marshal, * 13/2 1811, served in Alger. 32; genl. of div. 55; comm.-in-chf. in Mexico 63; marshal 64; comm. of Army of Rhine 70; shut up in Metz, capituld. 27/10 70. Condemnd. to death as traitr. 10/12 73; pardnd.; escapd. from Ste. Marguerite 10/8 74; † 23/9 88. ✓.

Bazalgette, Sir Joseph W., Eng. civ. ⚙, * 1819; eng. to Comm. of Sewers, London, & to Metrop. Board of Works; designed north side of Thames Embankment; kntd. 74.

Bazar, or Bazaar, an Orient. markt.-place, coverd. or open; an exchange; a fancy shop; a collection of stalls for sale of goods.

Bazeilles, Fr. villg. nr. Sedan, 2,200 inh., burnt 1/9 1870.

Bazenhov, Vas. I., Russ. ♙, * 1737, † 1799.

Bazley, Sir Thos., Eng. polit. & free tradr., * 1798 nr. Bolton, M.P. for Manchester 1858–80, bart. 69, † 11/3 85.

Bazzini, Ant., violinist & ♪, * 11/3 1818 Brescia, Prof. at Milan Conserv. 73; composr.

B.C. = Before Christ.

Bdellium, gum-resin of sev. vars., obtnd. from Ind. & W. Afr., formly. usd. in ✱. The B. of the Bible (?) onyx, pearl, sapphire, carbuncle.

Beach, Rt. Hon. Sir Mich. E. Hicks-, Bart., Brit. statesm., * 1837 London, eductd. Oxford, M.P. E. Gloucestersh. 64, Chf. Sec. for Ireld. 74–78, Sec. for Colonies 78–80, Chanc. of Excheq. 85–86, Sec. for Ireland 87.

Beachy Head, lofty promont., Sussex, Eng., 564 ft. Eng. & Dutch deftd. by Fr. ⚓ ⚔ 30/6 1690.

Beaconsfield, B. Disraeli, Earl of, Brit. statesm. & rom. ✓, * 21/12 1805 London; M.P. Maidstone 37, Shrewsbury 41, Buckinghamsh. 47; Chanc. of Excheq. 52, 58, 66–68; Prime Min. 68, 74–80; peer 76; m. 39, Mary Anne (*nés* Evans, widow of Wyndham Lewis, * 1789, peeress as Vctess. B. 28/11 1868, † 15/12 72), † 19/4 81. "Vivian Grey" 26–7 "Coningsby" 44, "Tancred" 45, "Sybil" 47, "Young Duke" 31, "Lothair" 71, "Endymion" 80.

Beaconsfield, ⊙ Bucks, Eng., 1,700 inh. Residence of Waller & Burke.

Beadle, or bedel, the messengr. or apparitor of a court; the mace-bearer at the univs.

Beagle, a sm. hunting-dog, the brachet of the midd. ages.

Beaked Parsley, ✱, *anthriscus sylvestris*, or *A. vulgaris*, commn. wild in Eng.: *A. cerifolium*, chervil.

Beal, James, polit. & jour. ✓, * 18/2 1829 Chelsea.

Beale, 1] Mary, Eng. port. ⚙, * 1632, † 97. 2] Dr. Lionel Smith, path. & physiol., * 1828 London. ✓.

Beales, Edm., polit. agit., * 3/7 1808 Newnham, † 1881.

Beam, or White Beam Tree, ✱, *pyrus aria*, spec. of wild service.

Beam, ⚓ ♙, the breadth of a ship; a cross timber. On B.-ends, so placd. that the beams are perpendicular.

Bean, ✱, *faba vulgaris*, of ord. *leguminosæ*, the broad or field-bean. Buck-B., *menyanthes trifoliata*; French or haricot bean, *phaseolus multiflorus*; scarlet runner, *P. vulgaris*.

Bean Caper, Eng. name of ✱ gen. *zygophyllum*, S. Afr.

Bean-feast, a feast; origlly. one at which a bean-goose was eaten.

Bean Goose, ornith., *anser segetum*, migrat., in N. Eng.; autumn to spring.

Bean Tree, ♨, 1] Swed. *pyrus intermedia.* 2] Austral., *castanospermum australe.*

Bean Trefoil, laburnum, ♨, *cytisus laburnum.*

Bear, ♄, *v.* Ursa Major & Minor.

Bear, a speculator for a fall.

Bear, zool., Eng. name for anims. of *ursus* & kindred genera of plantigrade mammals. Brown B., *ursus arctus;* Syrian B., *u. syriacus;* Black B., *u. americanus;* Grizzly B., *u. ferox;* Polar B., *u.* or *thalassarctos maritimus.*

Bear-berry, ♨, *arctostaphylos*, a gen. of *ericaceæ*, Alps & Highlds.

Bear-bind, ♨, *calystegia*, a gen. of *convolvulaceæ;* commn. in hedges & woods in Brit.

Bear Island, or Bere I., at mth. of Bantry Bay, S. Irld.

Bear Lake, Grt., N.W. of N. Amer., nr. Arct. circle, greatest diam. 150 m.; 250 ft. above sea; receives Dease ⅄, has outlet into Mackenzie ⅄.

Beard, 1] James H., American ☻, • 1815 Buffalo. 2] His brother, Willm. H., portrait & animal ☻, • Painesville, *ca.* 1824.

Beard-grass, ♨, *polypogon;* rare, wild in Brit.

Bearing, navig. & ⊙, the pnt. of the compass in wh. an object is seen from a positn.

Béarn, anct. prov. of S. Fran., now incld. in Basses-Pyrénées; cap. ⊙, Pau; formly. kngdom.; Fr. 1620.

Bear's Breech, ♨, *acanthus.* B.'s Ear, or Sanicle, *cortusa.* B.'s Foot, *helleborus fœtidus.*

Beast-milk, or beestings, cow's first milk after calving.

Beat, ♩, rise & fall of hand in regulatg. time. Beats, the phenom. proded. by joint vibratns. of 2 sounds of equal intensity & nearly equal pitch.

Beatification, in R. C. Ch., the first step towards canonisation.

Beaton, 1] Card. D., Archbp. of St. Andrews, • 1494, Scot. Amb. to Fr. 1519, Abbot of Arbroath 1523, Chanc. of Scotld. 43, assassd. 24/5 46. 2] James, uncle of 1, archbp. of Glasgow 1508, chancell. 15, † 39.

Beatrice, 1] B. Portinari, of Florence, to wh. Dante's verses were addressed, • 1266, m. 87 Simon dei Bardi, † 90. 2] B. M. V. F., princess. of Grt. Brit., dau. of Q. Victoria, • 14/4 1857, m. 23/7 85 Prce. Henry of Battenberg.

Beattie, 1] James, Scot. poet. & ⅄ ✓, • 25/10 1735 Laurencekirk, † 18/8 1803. "The Minstrel." Opponent of Hume. 2] Dr. Willm., ♩ & misc. ✓, • ca. 1796, † 17/8 1875.

Beaucaire, ⊙ Gard, Fr., on Rhone, opp. Tarascon; July fair; 8,000 inh.

Beauchamp, 1] Alphon., Fr. ♘, crit., & biog. ✓, • 1767, † 1832. 2] Joseph, Fr. ♄, • 1752, † 1801.

Beauclerk, Topham, friend of Dr. Johnson, • 1739, † 80.

Beaufort, 1] Henry, Card. & Bp. of Winchester, s. of John of Gaunt, executd. Maid of Orleans. † 11/4 1447. 2] His neph., Edmd., Dk. of Somerset, Gov. of Calais, † 1455 ⚔ St. Albans. 3] Margaret, Ctess. of Richmond & Derby, • 1441, dau. of John, Dk. of Somerset, patroness of ✓; fnded. St. John's Coll., Cam., ✓, † 1509. 4] Sir Fran., Brit. ⚓, & chf. of hydrog. dept. of Adm., • 1774 Navan, † 1857. 5] H. C. Fitzroy Somerset, 8th Dk. of, • 1/2 1824, succd. 53. ✓.

Beaugé, ⚔ 1421, Eng. deft. by Fr. & Scots.

Beauharnais, 1] Alex., Visct. de, • 1760 Martinique, m. 79 Josephine (*q.v.*) (Tascher de la Pagerie), guillotd, 23/7 94. 2] His son, Eugène, • 3/9 1781, Viceroy of Ital. 1805; adoptd. by Napoleon

07; Grnd. Dk. of Frankfort 10, Commd. in Russ. 12, in Ital. 13, creatd. dk. of Leuchtenberg 17, † 21/2 24 Munich. For his sons *v.* Leuchtenberg. 3] Claude, cous. of 1, * 29/9 1756, memb. of Nat. Ass. 89; Senat. 1804, peer 14, † 10/1 19 Paris. 4] His dau. Stephanie m. Grnd. Dk. Karl Ludwig of Baden 5] Franç., Marq. de, uncle of 2, * 1756, † 1828.

Beau-idéal, Fr.= conceptn. of perfection.

Beaujolais, anct. div. of old prov. of Lyonnais, Fr., incld. in depts. Rhône & Loire; wine, corn

Beaulieu-Marconnay, K. Oliv., Baron v., statesm. & ✓, * 5/9 1811 Minden.

Beaumarchais, P. Aug. Caron de, ✆ & misc., * 24/1 1732 Paris. † 19/5 99. *Barbier de Seville, Mariage de Figaro.*

Beaumaris, chf. ⊙ Anglesey, N. Wales, on Bay of B.; castle blt. 1295; 2,300 inh.

Beaumaris Shark, ichth., *lamna monensis.*

Beau Monde, Fr.= fine world: good society.

Beaumont, 1] Francis, Eng. poet. ✆ ✓, * 1586 Leicestersh., collaboratd. w. John Fletcher (*q.v.*), † 1615. 2] Gust. Aug. de la B. de, ✓, * 16/2 1802, † 2/4 66 Tours. 3] His brothr. Edw., ♛ ✓, * 1816, † 25/7 75.

Beaune, ⊙ Côte-d'Or, Fr., wines, 11,000 inh.

Beauregard, Pet. Gust. T., genl. of Confed. S. of Amer., * 1818 N. Orleans, commcd. civil war 12/4 61, commdr. at ✕ Bull Run 21/7 61.

Beauséant, the battle-cry of Knts. Templars their banner.

Beausobre, I., Fr. Prot. ✝ critic & ✓, * 1659, † 1738.

Beautemps-Beaupré, Chas. Franç., Fr. hydrog., * 1766, † 1854.

Beauvais, cap. ⊙ Oise, Fr., on Avelon & Thérain; cathed. begun 1225; besiegd. 1443 & 1472; tapestry, cotton, velvet, wool, wine; 16,000 inh.

Beauvois, A. M. F. J. Palisot de, Fr. zool. & travlr., * 27/7 1752, explord. W. Ind., Africa, U.S.A., † 1820. ✓.

Beaver, zool., a rodent mammal, *castor fiber,* anctly. in Brit., now in N. Amer., & Cent. Europ.; lives in house or burrow, blds. dams to preserve water.

Beaver-rat, a small B., *castor zibethicus;* Canad. musk-rat.

Bebel, Ferd. Aug., soc. democ., * 22/2 1840 Cologne; membr. of Germ. Reichstag 67.

Bebirine, or Bebeerine, *v.* Bibirine.

Bebutow, Prce. Wassili, Russ. genl., * 1791, servd. in Turk. 28, Gov. of Armen. 35, fght. in 53–55, † 22/8 58 Tiflis.

Beccabunga, ✿, brooklime, *veronica beccabunga.*

Beccadelli, L., Bolognese biog. ✓, * 1501, † 72.

Beccafico, ornith., beccafigo, or ficedula, of gen. *sylvia.*

Beccafumi, Dom. (Mecherino), ●, * 1484, † 1549.

Beccaria, 1] C. B., Marq. de, polit. ♙, * 1735 Milan, † 1793. 2] Giov. B., nat. ♙, * 1716 Mondovi, † 1781; expermts. in electricity. ✓.

Beccles, ⊙ Suffolk, 5,750 inh.

Beche, Sir H. T. de la, ⚒ ✓, * 10/2 1796 London, † 13/4 1855.

Bêche-de-mer, or trepang, *holothuria edulis,* zool., gen. of *holothuridæ* or sea-cucumbers; much eaten in China.

Becher, 1] Siegf., Austr. statist, * 28/2 1806, † 4/8 78 Vienna. 2] Alf. J., ✓ & ♆, * 1804 Manchester, † 48 Vienna. 3] J. J., ⚗ ✓, * 1635 Spires, † 82; discvd. boracic acid.

Bechstein, 1] J. M., Germ. ornith., * 11/7 1757, † 28/2 1822. 2] L., ✓, * 24/11 1801 Weimar, † 14/5 60. 3] His son Reinh., philol., * 12/10 38, professor at Rostock. ✓.

Bechuana, or Bechwana, tribe in Cent. S. Afr., numbrg. 200,000.

Bechuanaland, distr. of S. Afr. Brit. protect. since 1844.

Beck, 1] H., ☉, * 1760 Gotha, joined stage 77, † 6/5 1803. 2] J. N., singer & ☾, * 5/5 1828 Pesth.

Becker, 1] R. Z., Germ. pop. ✓, * 9/4 1752, † 28/3 1822. 2] K. F., Germ. philol., * 14/4 1775, † 5/9 1849. 3] K. F., ✍ ✓, * 1777 Berlin, † there 15/3 1806. 4] W. Ad., Ψ, * 1796 Dresden, † 1846. 5] K. Ferd., ♥ ✓, * 17/7 1804 Leipzig, † 20/10 1877. 6] Nich., poet. ✓, * 8/10 1809 Bonn, † 28/8 45. "*Sie sollen ihn nicht haben.*" 7] Jac., genre ☻, * 1810, † 22/12 72. 8] Karl, ☻, * 18/12 1820 Berlin, Presdt. of Acad. there. 9] Aug., rom. ✓, * 27/4 1828. 10] Jean, violinist, * 11/5 1836.
11] Bernard, Eng. journ. & misc. ✓, * 1833.

Beckerath, Herm. v., Germ. polit., * 13/12 1801, † 12/5 70.

Becket, v. A'Becket.

Beckford, Willm., Eng. ✓ & eccentric, * 1769, † 1844. "Vathek."

Beckmann, Fritz, ☉, * 13/1 1803, joind. stage 1820, † 7/9 1866 Vienna.

Beckx, P. J., Father, * 8/2 1795 Belg.; Genl. of the Jesuits 53–84; † 4/3 87. ✓.

Becquerel, Ant. Cæsar, ⚷ & scient. ✓, * 7/3 1788, † 18/1 1878. Invntd. psychometer.

Bed, ⚒, layer, stratum. In Fr. ⚖, B. of Justice, the king's throne in Parlt. prior to 1789.

Bedchamber, Ladies of the, in Brit. Roy. household, ladies who wait on the sovereign; under the Mistr. of the Robes, & above Bedchamberwomen & Maids of Honour.

Beddoe, Dr. John, ⚷, statist & anthropologist, * 21/9 1826 Bewdley. ✓.

Beddoes, 1] Thos., ⚷, * 1760 Shiffnal, zool. & ⚗ ✓, † 1808. 2] His s. T. Lovell, physiol. & poet. ✓, * 1803 Clifton, † 49.

Bede, Beda, or Bæda, The Venerable, Eng. monk & † & ✍ ✓, * nr. Monkwearmouth *ca.* 673, † 26/5 735.

Bedeguar, the gall of the rose & eglantine, produd. by insect *cynips rosæ;* used in ⚷.

Bedell, W., Bp. of Kilmore, * 1570 Essex, † 7/2 1642. ✓.

Bedford, chf. ⊙ Bedfordsh., on Ouse; schools & almshouses; statue of Bunyan 1874; 19,600 inh. Ret. 1 membr. Parlt.

Bedford, 1] John, 3rd s. of Henry IV., * 1390, creatd. Duke of B. 1415, ✕ commr., captd. Joan d'Arc, † 1435. 2] John Russell, 4th Duke of, Eng. statesm., * 1710, † 71.

Bedford Level, a flat distr. in E. Eng., comprsng. pts. of Cam., Norf., Suf., Hunt., North., & Linc., orgly. swampy; now chfly. reclaimd.; compy. for executg. work incorptd. 1664.

Bedfordshire, a S. midlnd. co. of Eng.; agriculture; 461 s.m.; 149,500 inh. Ret. 2 membrs. Parlt. (N., or Biggleswade; S., or Luton).

Bedlam, corruptn. of Bethlehem, a hospital for lunatics in Bishopsgate, transferred to Lambeth 1815; generally, a madhouse.

Bednor, Badnore, or Nagar, ⊙ in dist. of B., Mysore, Ind.; surrend. to Eng. 1783, surrend. to Tippu Sultan 88, garrison murd.

Bedouins, or Bedaweens (Arab. *bedawi* = dwellers in desert), the nomad Arabs wh. dwell in tents; W. As., & N. Afr.

Bedstraw, ✱, *galium,* a gen. of stellates.

Bee, entom., *apis mellifica;* social, 3 cl., neuters, abortive females or workers; males, or drones; & queens; 1 q. to ea. hive, prod. *ca.* 18,000 bees. The name B. is used for insects of sim. form, *e.g.* humble-bees, carpenter-bees.

Bee-eater, gen. of birds, *merops,* & esp. *m. apiaster,* Afr.

Bee-hawk, or Honey-buzzard, ornith., *pernis apivorus.*

Bee-hawk-moth, entom., a sphinx, *macroglossa.*

Bee-orchis, ✱, *ophrys apifera,* Brit.

Beeswax, a secretn. of bees, used in constructing the cells in wh. they store their honey.

Beech, ♣, *fagus sylvatica*, of ord. *corylaceæ*, with triquetrous nuts or mast. Austral. B., *tectona australis*, var. of teak. Blue, or Water B., *carpinus americana*, var. of hornbeam.

Beech-owl, the tawny owl, ornith., *syrnium stridula*.

Beecher, 1] Lyman, Amer. Presb. †, * New Haven, 12/10 1775, ✓, † 1863. 2] His dau., H. E., *v.* Beecher-Stowe. 3] His s., Henry Ward, Amer. preacher, of Plymouth Ch., Brooklyn, * 1813, † 8/3 87.

Beecher-Stowe, Harriet E. (*née* Beecher), rom. ✓, * 14/6 1812 Lichfield, Conn., U.S.A., m. Rev. C. E. Stowe 36. "Uncle Tom's Cabin" 50–52.

Beechey, Fredk. W., Arct. explor., * 17/2 1796, † 29/11 1856. ✓ "Voy. of Discov. towards the N. Pole" 43.

Beechy, Sir W., Eng. port. ●, * 1753, † 1839.

Beefeater, corruptn. of *buffetier*, a yeoman of the guard in Engld. In ornith., the *buphaginæ* or oxpeckers of Afr.

Beek, Dav., Dutch ●, * 1621, † 56.

Beelzebub = god of flies; Syr. myth., the Baal of Ekron.

Beer, fermentd. aqueous infusn. of malt & hops, or malt, sugar, & hops; proptn. of alcohol in B. from 2–12 per cent.

Beer, W., banker & ✱, * 4/1 1797, † 1850 Berlin.

Beerbul, or Birbul, Rajah, ministr. of Akbar, Emp. of Ind., † 1586.

Beesha, ♣, a gen. of bamboos havg. the seeds in a fleshy pericarp; Malay Archipel., &c.

Beesly, Edw. Spencer, ♛, ♗, & polit. ✓, * 1831 Feckenham; prof. of ♛, Univ. Coll., Lond., 60.

Beestings, *v.* Beast-milk.

Beet, ♣, *beta*, a gen. of chenopods; Comm. B. native of Brit., *B. vulgaris*, used for cooking, &c.; *B. cicla*, or white beet, for sugarmakng. Beetroot is root of *B. vulg.*

Beethoven, Ludwig v., grt. ♫, * 16/12 1770 Bonn, composd. sonatas as a boy, Court organist 85, studied und. Haydn 92, thenceforw. livd. at Vienna, began to grow deaf 1800. Opera, *Fidelio*; overtures to *Leonora*, *Coriolanus*, *K. Stephen*, &c.; concertos for violin, piano; quartet, quintet, sextet, septet, trios, sonatas, masses, songs; oratorio, "Christ on Olivet," † 26/3 1827. Statues: Bonn, Vienna.

Beetle, entom., any insect of ord. *coleoptera*, or sheathd. wings. The black B., or cockroach, is not a beetle, but a memb. of ord. *orthoptera*. B.s have 2 pairs of wings, innr. membranous, outr. horny.

Befana, in Ital., an imag. female wh. punishes bad & rewards good children on Twelfth Night; corruptn. of Epiphania.

Beg = lord; Turk. title; *v.* Bey.

Begas, 1] K., the eld., ♛ ●, * 30/9 1794, † 24/11 1854 Berlin. 2] His s. Osc., ☉, * 31/8 1828, † 10/11 83. 3] s. of 1, Reinhold, ▲, * 15/8 81. 4] s. of 1, Adalb., ●, * 5/3 36. 5] K., the youngr., ▲, * 11/4 49.

Beghards, *v.* Beguins.

Begharmi, *v.* Baghirmi.

Begonia (after M. Begon, * 1638), ♣, typ. gen. of *begoniaceæ*; ornamental plnts.

Beguins, assocns. of praying women in Netherlands, 12th to 18th cent. Also Franciscan Tertiaries. Also the praying men in Netherlands, calld. Beghards.

Begum, in Ind., &c., a princess, female ruler.

Behaim, *v.* Behem.

Beham, 1] Hans S., ● & engraver, * 1500 Nuremberg, † 22/11 50. 2] His brothr., Barthel., ● & eng., * 1502, † 40 Italy.

Behar, prov. Bengal, B. Ind., acquird. 1765; rice, poppy, indigo, sugar, saltpetre, silk, leather. Divisns., Champaran, Tirhut, Shahabad, Saran, Patna, Purniah, Bhagalpur, & the Santal Parganas; 42,147 s.m.; 20,000,000 inh., chfly. Hindus. ⊙ B., in Patna distr., 45,000 inh.

Behem, or Behaim, 1] Mich., ✓, * 27/9 1416 Sulzbach, † 75; meistersinger. 2] Martin, ○ & navig., * *ca.* 1439, † 29/7 1507 Lisbon; explord. W. coast Afr.

Behistun, or Bisutun, rock in Irak-Ajemi, Pers., with ♋ & inscriptns. of *ca.* 500 B.C.; decipherd. by Sir H. Rawlinson 1846.

Behlen, Steph., ✓ on forestry, * 5/8 1784 Fritzlar, † 7/2 1847.

Behm, Dr., ○, & editor of "Almanach de Gotha," † 15/3 1884.

Behmen, Jac., *v.* Bohme.

Behn, Aphra, *nee* Johnson ("Astræa"), Brit. ♀ & misc. ✓, * 1642 Canterbury, † 16/4 89.

Behnes, W., Eng. ● & ♋, * 1800, † 3/1 64.

Behrens, Bertha ("W. H. Kotschenbroda"), rom. ✓, * 7/9 1850.

Behring, Vitus, Dan. navig. in Russ. serv., * 1680, † 8/12 1741.

Behring Strait, betw. N. As. & N. Amer., connecting N. Pacif. & Arctic O.s; discovd. by Behring 1728, explord. by Cook 1788; 36 m. wide. B. Island, one of Aleutian Isles, where B. was wrecked, & died.

Beira, prov. of Port. on Atlantic; ▲ous; agric.; 8,586 s.m.; 1,400,000 inh.; heir-appt. of Port. is Prince of B.; cap. ⊙, Coimbra.

Beiram, or Behram Khan, genl. of Humayun, Emp. of Delhi, † 1561.

Beiram, *v.* Bairam.

Beireis, Gottf. Christ., ⚗, "the last adept," * 2/3 1730 Muhlhausen, † 12/9 1809.

Beirut, *v.* Beyrout.

Beitzke, H. L., ✍ ✓, * 15/2 1798, † 10/5 1867 Berlin.

Beja, distr. of prov. Alemtejo, Port. Its cap. ⊙, B., bpric., 12,000 inh. Anctly. Pax Julia; captd. from Moors 1165.

Bekcagsog, Convention of, 3/10 1805, betw. Brit. & Swed. agnst. Napoleon.

Beke, Chas. Tilstone, Abyss. & Orient. travlr. & ⚒, * 10/10 1800 London; in Abyss. 45–49 & 65; † 31/7 74 Bromley. ✓.

Bekk, J. B., Baden statesm., * 29/10 1797, † 22/3 1855.

Bekker, 1] Eliz., Dutch rom. ✓, * 24/7 1738, collabtd. w. Agatha Deken, † 5/11 1804. 2] Aug. Imm., philol., * 21/5 1785 Berlin, † 7/6 1871. ✓. 3] Ern. Imm., ⚗, * 16/8 1827 Berlin, ✓, Prof. Heidelberg.

Bela, 4 kings of Hung., 11th–13th cents.; B. IV., 1235–70 opposd. Aust. & the Mongols.

Belbeis, ⊙ Lowr. Egypt, on E. mouth of Nile, 3,000 inh.

Belcher, Sir Edw., Brit. Adml., * 1799, Arct. explor., ✓, † 18/3 1877.

Belcredi, Count Rich., Austr. statesm., * 12/2 1823.

Belem, suburb of Lisbon, Port.; monast., roy. vault.

Belem, or Para, *v.* Para.

Belemnite, ♦, thunderstone, devil's-finger, or arrowhead; anctly. *lapides lyncis.* Zool., fossil polythalamous cephalopods, in oolite & lias.

Bel esprit, Fr. = fine wit.

Belfast, chf. ⊙ co. Antrim & prov. Ulster. Ireld., at mth. of Lagan, on B. Lough; busy port, linen, calico-prntng., ship-bldg., iron fndng; Queen's Coll.; 221,600 inh., two-thirds Prot.; rets. 4 membrs. Parlt., N., S., E., & W.

Belfort, extra-departmtal. dist., W. Fran.; before 1870 in Haut-Rhin; 234 s.m., 70,000 inh. Its cap. ♚ ⊙, B., on Sanvoureuse, besiegd. 70, ✕ 15–17/1 71; 9,000 inh.

Belgæ, anc. ♋, inhabs. of N. Gaul, of Teuton orig.

Belgam, or Belgaum, distr. of Bombay, B. Ind., occupd. since 1817; 4,591 s.m., 940,000 inh. Cap. ⊙, B., 27,000 inh.

Belgard, ⊙, Pomeran., on Persante, castle, 7,900 inh.

Belgiojoso, Cristina, Pcess. of, Ital. ✓ & patriot, * 28/6 1808, † 5/6 71 Milan.

Belgium, kngdm. of W. Eur., on North Sea, betw. Fr. & Holl., 11,373 s.m., 5,550,000 inh.; 9 provs., Antwerp, Brabant, Hainault, Liége, W. Flanders, E. Flanders, Limburg, Luxemburg, Namur. ⚓s: Scheldt, Leye, Dender, Meuse, Sambre, Ourthe. *Products*: coal, iron, lead, copper, glass, linen, wool, arms, flax, tobacco. ⊙s: Antwerp, Ghent, Liége, Malines, Bruges, Verviers, Louvain, Namur, Seraing, Mons, Courtray, Ostend. ♛: Part of Rom. Gallia Belgica; latr. French; end of 14th cent. possessn. of House of Burgundy; 16th cent. of Hapsburgs; pt. of Germ. Emp. 1598–1621; Span. rule; Austr. rule; declard. indept. 11/1 1790; again Austrn. 1790; French 92–94; by Peace of Paris 30/3 1814 forind. into kngdm. w. Holl.; revolut. 30; proclmd. indept. kngdm. 14/10 30. Pr. Leopold of Saxe-Coburg electd. kng. & ascend. throne 4/6 31, † 10/12 65; present kng. his s., Leopold II. R., 2,050 m., Teleg. 3,260 m., Revenue *ca.* £12,650,000, expend. *ca.* £13,190,000, debt *ca.* £67,500,000.

Belgrade, cap. ⊙ Servia, on Save & Danube. Univ., Skuptschina, Grk. bpric., ✠ dismntld. 1878, cathed. Cotton, carpets, leather, cutlery, trade; 28,000 inh. besgd. by Turk. 1440 & 56.

Belial, lit. = worthless; an evil spirit, evil.

Belidor, B. F. de, Fr. ✕⊕, * 1697 Catalonia, † 1761 Paris. ✓.

Belin de Ballu, * 1753 Paris, † 1815 St. Petersburg. Editd. Grk. classics.

Belisama, myth. of Gaul, supreme goddess.

Belisarius, Byzant. genl. under Emp. Justinian, * 505 Germania, conqrd. Goths & Vandals, incorrtly. said to have died poor & blind, † 13/3 565.

Belize, or Balize, cap. ⊙ Brit. Honduras, Cent. Amer., on Atlantic. Mahogany, rose-wood, cedar, log-wood, sugar; 5,800 inh.

Belknap, Willm., Amer. statesman, * 1831, Brig.-Genl. in Civ. War, Min. of War 69.

Bell, 1] Isaac Lowthian, ⊕ & ♃, * 1816. ✓. 2] John, ⊕, * 1811 Norfolk. 3] Thomas, ✠, zool. ✓, * 11/10 1792 Poole. † 13/3 80. 4] Henry, mech. ⚙, * 7/4 1767 Torphichen, † 14/11 1830 Helensburg, constructd. *Comet*, 1st steamship in Brit. 1812. 5] Sir Charles, anat., * 1774 Edinburgh, † 1842, ✓. 6] John, of Autermony, travlr., * 1691, in Pers. 1717, Cent. As. 19–20, Derbent 22, † 1/7 80. 7] John, surg. & anat., * 12/5 1763 Edinburgh, † 15/4 1820 Rome. ✓. 8] Andrew, inventr. of Monitorial, or Madras, syst. of teachg., * 1752 St. Andrews, fnder. of National Schools, † 1832 Cheltenham. 9] Henry Glassford, poet. & misc. ✓, * 1805, † 7/1 74. 10] Robt., crit., editr. of Brit. Poets, dram. & misc. ✓, * 1800, † 12/4 67.

Bell; B.s first used in churches Fr., 6th cent., Eng. 7th cent. Gt. B. at Moscow 20ft. high, 192 tons, cast 1653. Gt. B. at Peking 53 tons, Nanking 22 tons, Olmutz, Rouen, Vienna *ca.* 18 tons; Kaiserglocke, Cologne, 25 tons; Big Ben, Westminster, 15 tons; Erfurt 13 tons; Grt. Peter, York, 10 tons; Grt. Tom, Oxon., 7 tons; St. Paul's Cathed., Lond., 16 tons & 5 tons.

Bell, ♩, name of the half-hourly subdivsns. of a watch of four hours, *e.g.* four bells = mid-watch.

Bell-animalcules, zool., *vorticellidæ*, fam. of infusorial animals.

Bell-bird, ornith., *arapunga alba*, Guiana.

Bell-flower, ✠, Eng. name of gen. *campanula*, incl. harebell, *C. rotundifolia*, & 10 othr. Brit. species.

Bell-metal, alloy of copper & tin, or copper, tin, zinc, & lead.

Bell Rock, or Inch Cape, dang. ridge 2,000×100ft., 12 m. S.E. of Arbroath, E. Scot. Lightho. blt. 1811; anctly. a warning bell on floating platform.

Belladonna, ♃, *atropa belladonna*, deadly nightshade, or dwale, poison-berries: best antid., vinegar: leaves used in ℞.

Belladonna Lily, ♃, *amaryllis B.*, W. Ind.

Bellamy, 1] Mrs. Geo. Ann, Eng. ✆, * 23/4 1783, joined stage 47, † 15/2 88 Edinburgh. ✓ "Life." 2] James, Dutch poet. ✓, * 1758 Flushing, † 86.

Bellangé, J. L. Hipp., ✕ ☻, * 16/2 1800 Paris, † there 12/4 66.

Bellarmin, Robt., Card., * 4/10 1542 Montepulciano, † 17/9 1621 Rome. Jesuit † ✓.

Bellary, *v.* Ballari.

Bellay, Joachim du, Fr. poet. ✓, * 1524, † 60.

Belle Alliance, Germ. name for ✕ Waterloo, 18/6 1815.

Belleforest, Franç. de, Fr. nov. ✓, * 1530 Guienne.

Bellegarde, Ct. F. H., Austr. f.-marsh., * 18/2 1760, † 22/7 1845 Vienna.

Bellegarde, Fr. ♚ in Pyrenees, taken by Sp. 1793, retaken 94.

Belle-Ile, or Belleisle, isle on W. of Fr., anctly. Vindilis & Guedel, capt. by Brit. 1761, restord. 63. ⚓✕ of B. 25/10 1747, Adm. Hawke deftd. Fr.

Belle Isle, betw. S.E. of Labrador & N.W. of Newfoundland, in N. Atlantic. Strait of B., betw. Labrad. & Newfoundland.

Bellenden, or Ballenden, 1] Sir John, Scot. stateam., † 1577. 2] W., Scot. ✓, prof. at Univ. of Paris 1602.

Bellenz, *v.* Bellinzona.

Bellermann, 1] J. Fried., ♅ ♛ ✓, * 8/3 1795 Erfurt, † 5/2 1874 Berlin. 2] His s. H., * 10/3 32, prof. of ♅ Berl. Univ. 66, composer.

Bellerophon, Grk. myth., s. of Glaucus, k. of Corinth. Slew Chimæra.

Bellerophon, zool., fossil shell of a sp. of *carinaria*.

Bellerus, Brit. myth., a giant of Cornwall.

Belles-lettres, Fr. = polite literature; poetry & history.

Bellew, J. C. M., reader & ✓, * 3/8 1823, † 19/7 1874.

Bellini, 1] Gentile, Venet. ☻, * 1421, † 1507. 2] His brother Giov., ☻, mastr. of Giorgione & Titian, * 1424, † 29/11 1516; altarpieces. 3] Vincenzo, ♅, * 1/11 1802 Catania, † 24/9 35 Puteaux. Operas: *Sonnambula*, *Norma*, *I Puritani*. 4] Jacopo, ☻, * Venice, † 1470. 5] Laur., ℞ ✓, * 1643 Florence, † 8/1 1704.

Bellinzona, or Bellenz, ⊙ Ticino, Switz., castles, 3,000 inh.

Bellis, ♃, gen. of *asteraceæ*, incl. daisy, *B. perennis*.

Bellman, K. Mich. ("Swed. Anacreon"), * 14/2 1741 Stockholm, † 11/2 95; ✆ & song ✓.

Bellona, Rom. myth., sist. or w. of Mars, & goddess of war.

Belloquet, Domin. F. L., Baron Roget de, ♆, * 1796, † 3/8 1872 Nice. ✓.

Bellot, Jos. René, lieut. in Fr. ⚓, * 1826 Paris, joind. Brit. exped. in search of Franklin 51, discvd. B. Strait, lost in the ice 53: monmt. at Greenwich.

Bellows-fish, common name of trumpet-fish or sea-snipe, *centriscus scolopax*.

Belloy, P. L. B. de, Fr. ✆ ✓, * 1727, † 75.

Belluno, ⊙ Ital., on Piave, 15,700 inh.

Beloe, Rev. W., misc. ✓, * 1756, † 1817.

Belon, P., Fr. ℞ & nat. ♛, * *ca.* 1518, assassd. 64. ✓.

Belone, ichthyol., gen. of pikes, incl. garfish.

Beloptera, gen. of fossil shells of fam. *sepiadæ*: in Eocene.

Belot, Ad., ✆ & rom. ✓, * 6/1 1829 Pointe à Pitre.

Bel-Phegor, an obscene deity of the Moabites.

Belsham, 1] Thos, Unit. ✓, * 15/4 1750 Bedford, † 1829. 2] His brothr. W., polit. & w ✓, * 1752, † 17/11 1827

Belshazzar, last k of Babylon, 555–38 B.C. Has been identifd w. Nabonnedus, Labynetus, Evil-Merodach, &c.

Belt, Great & Little, 2 straits E of Schleswig-Holstein & S.W. of Swed, connecting Baltic Sea with Cattegat. Gt. B betw. Fünen & Zealand. Little B. betw. Fünen & mainld.

Belt, Rich, Eng. ✍, * 1851 Westminster

Beltane, fest. observd in Ireld & Scotld 1/5, or 21/6, or 29/6 A Mayday or midsummer feast of Druid. origin.

Beltirs, tribe of Tartars in Tomsk, Siberia

Beluchistan, country of S. Asia, betw. Afghan & the Ind. O, & betw. Ind & Pers. 2 races, Beluchees in W. & Brahus in E., both Mahom, *ca.* 140,000 s m, 1,500,000 inh. W. pt belongs to Pers., E. pt to Khan of Khelat, who under treaty 1854 recs subsidy from Brit Govt. Cap. ⊙ of E B. (80,000 s.m.) Khelat, 12,000 inh Quettah in N.E. occupd. by Brit troops since 1876. Khan, Mir Khodadal Khan, suc. 1856. Rev. *ca* £30,000

Beluga, 1] zool., gen of *cetacea*, of fam. *delphinidæ*, incl white whale or white fish. 2] The Great Sturgeon, *acipenser huso*, Casp. & Black Sea, &c

Belvedere, Ital = fine view. In ▲, an open buildg on house-top

Belzig, ⊙ Pruss, 2,700 inh. ⚔ 27/3 1813.

Belzoni, Giov Bat., acrobat & Afrcn. explor, * 1778 Padua, performed at the theatres 98, went to Egypt 1815, went to Cent. Afr., † 1823 Benin. ✓.

Bem, Jos, Pol. genl., * 1795 Tarnow, organsd. revol. Vienna 48, fled to Turkey, became Mahom., † 10/12 1850.

Bemba, *v.* Bangweolo.

Bembidiidæ, entom., fam. of beetles of tribe *geodephaga*, incl. sev Brit. gen, *e g. notaphus, ocys*

Bembo, P., Card, * 20/5 1470 Venice, † 18/1 1547 Rome. ✓.

Bembridge Series, ⚒, ser. of beds of Uppr. Eocene, consistg. of uppr. marls, lowr marls, green marls, & Bembridge limestone, contg land-shells, &c.

Ben, Bein, or Bhein, Gael = ▲-top, applied to ▲s in Scot, *e g* B Nevis 4,406 ft, B Macdhui 4,390 ft, B Lawers 3,984 ft, B. Wyvis 3,720 ft, B Cruachan 3,670 ft, B Dearg 3,550 ft., B. More 3,240 ft, B. Lomond 3,192 ft.

Ben=son, prefixed to name of father, *e g.* Ben-Hadad

Benalcazar, Seb de, Sp adventurer in Peru, captd Quito 1533, † 50

Benares, divsn of N.W. Provs. of Brit Ind, 18,314 s m., 8,200,000 inh Distr in same, 996 s.m, 793,699 inh Cap ⊙, B, on Ganges, sacred with Hindus, very anct., fine bldgs. & temples, Queen's Coll., Town Hall. Cotton, wool, silk, trade, diamonds, shawls. Ceded to E. I Co. by Nabob of Oude 1775; 209,000 inh. Treaty of B. 1773 betw. War. Hastings & Vizir of Oude.

Benbow, John, Brit. Adml., * 1650, joind. Navy 1680, V.-Adm 1700, attackd. Fr. off St. Domingo 19/8 1702, fght for 4 days, desertd. by his capts, † of wounds 4/11 Jamaica.

Benburb, ⚔ 5/6 1646, Brit. deftd. by Irish.

Bencher, a senior & governing member of one of the Inns of Court, formly. calld. "ancient."

Bencoolen, settlemt. on S.W. Sumatra, ceded by E. Ind. Co. to Dutch 1824; 130,000 inh. Cap. ⊙, B.

Benczur, Jul., ✍, * 28/1 1844 Nyiregyhaza.

Benda, a ♛ Bohem. fam., 1] Franz, violinist & composr., * 25/11 1709, † 7/3 86 2] His brother, Johann, * 1713, † 52. 3] Geo., *

1721, † 6/11 95, composr. 4] His s. F. L., * 1746 Gotha, † 27/3 93. 5] F. W. H., s. of 1, * 15/7 1745 Potsdam, † 19/6 1814, composer.

Bendemann, Ed., ●, * 3/12 1811 Berlin.

Bendemeer, ⅄, Chusistan, Pers.

Bender, Russ. ⊕ Bessarabia, on Dniester, 27,000 inh. ⚔s 1771, 1809, ced. to Russ. 12; home of Charles XII. 1709–11.

Benecke, G. F., Germ. philol., * 10/1 1762, † 21/8 1844.

Benedek, L. v., Austr. f.-marsh., * 1804; in Ital. 45–49 & 59–60, deftd. by Pruss. 66, † 27/4 81.

Beneden, P. Jos. v., zool. ⁄, * 19/12 1809.

Benedetti, Count Vincent, Fr. diplom., * 29/4 1817 Bastia, Ambass. to Berlin 54–70.

Benedicite, 1st word in Latin version of Song of the 3 Children; used in Christ. services since 380.

Benedict, name of 14 Popes. B. XIV., * 1675 Bologna, Pope 1740, † 3/5 1758, scholar.

Benedict, St., * ca. 480 Nursia, † ca. 543: 21/3.

Benedict, Sir Julius, ♛, * 24/12 1804 Stuttgart, pian. & composr., † 5/6 85 London.

Benedictines, or Black Friars, fnded. by St. Benedict, introd. to Eng. ca. 600.

Benediktof, Vlad., Russ. lyr. ⁄, * ca. 1810.

Benedix, Rod., com. ⊙ ⁄, * 21/1 1811 Leipzig, † there 26/9 73.

Benefit of Clergy, anct. privilege of exemptn from operatn. of civil law, granted to the clergy, & afterwards claimed by all who could read & write.

Beneke, F. Ed., ⁂ ⁄, * 17/2 1798 Berlin, † by suic. 1/3 1854.

Benevento, ⊙ S. Ital., & cap. of prov. of B., Rom. amphitheat. & arch of Trajan, cathed., archbpr. Leather, parchmt., grain trade, 220,000 inh. Earthqk. 1668.

Benevolence, in Eng. ♛, a kind of forcd. loan or levy made in defiance of Magna Charta by sev. kings; abold. by Declaration of Right 1688.

Benfey, Theod., class. & orient. philol. * 28/1 1809, † 26/6 81 Gottingen.

Bengal, largest of the provs. of Brit. Ind.; under a Lieut.-Gov. since 1854; occups valley of Ganges, E. of Benares, & extends from Himalayas to mouth of Mahanadi ⅄. Includes Bengal proper, Behar, Orissa, & Chota Nagpore. Grain, opium, indigo, jute, rice, salt, cotton, muslin. Area 203,473 s.m., 66,695,000 inh. B. proper has 84,198 s.m. & 37,000,000 inh. Cap. ⊙, Calcutta. ⊙s, Moorshedabad, Monghir, Patna, Dacca, Burdwan. Chinsura ced. by Dutch 1824, Serampore ced. by Den. 1845. B. ceded to E. Ind. Co. 1765. Rev. ca. £17,800,000.

Bengal, Bay of, pt. of Ind. Ocean lying N. of Cape Negrais on E., & mth. of Godavari on W.

Bengal Fire, in pyrotech., 6 pts. nitre, 2 sulphur, 1 antimony tersulphide mixd.; gives a blue light.

Bengal Mutiny, 1795–6, mutiny of Brit. regts. in B.

Bengal Quince, ♨, *ægle*, a citron-wort; v. Bhel.

Bengal Tiger, zool., *felis tigris*, the common tiger.

Bengali, the language of ca. 22,000,000 Hindus in Bengal. Alphabet borrwd. from Devanágari, 33 consons. & 14 vowels & diphthongs; language directly derived from Sanscrit. Earliest B. work, the "Chaitanya-Charitámrita" of Krishnadása, 16th cent.

Bengel, Joh. Alb., † & crit. ⁄. * 1687 Winnenden, † 2/11 1751. "Gnomon."

Benger, Elizabeth O., biog. ⁄, * 1778 Wells, † 9/1 1827.

Benghazi, chf. ⊙ Barca, Tripoli, N. Afr., on Mediterr., 15,000 inh.

Bengo, Bay of, N. of St. Paul de Loanda, W. Afr.

Benguela, Port. terr. of W. Afr., S. of Angola, trade, 140,000 inh. Cap. ⊙, S. Felipe de B.

Benin, country of W. Afr., on Guinea coast. Palm-oil, salt, jasper, skins. Cap. ⊙, B. The bay along the coast is the Bight of B.

Benincasa, ♃, gen. of *cucurbitaceæ*, incl. E. Ind. white gourd, *B. cerifera*.

Beni-souef, cap. ⊙ Middle Egypt, on Nile, 6,000 inh.

Benjamin, ♃, *v.* Benzoin.

Benjamin, 1] Peter J., statesm. & ⚖, * 1812 San Domingo, admtd. to Amer. Bar 34, Att.-Genl. of Confederate Govt. 61, Acting Sec. for War, Sec of State, fled to Eng. & called to Bar; large practice; † 6/5 84. ✓. 2] Park, Amer. poet. ✓, * 1809.

Benjamin of Tudela, Jewish rabbi & travlr., * *ca.* 1120 Navarre, † 1173; penetrated to China. ✓ "Itinerary."

Benjowski, or Benyowski, M. Aug., Ct., * 1741 Verbova, fght. for Poles agst. Russ., exild. to Kamschatka 70, escaped to Fr. 71, went to Madagascar 74, elected chief by natives 76, killd. in ⚔ 23/5 86 by French.

Bennet, Eng. name for 1] Common Avens, ♃, *geum urbanum*. 2] Common Hemlock, *conium maculatum*. 3] Great Wild Valerian, *valeriana officinalis*.

Bennett, 1] Sir W. Sterndale, ♛ comp. & pianist, * 13/4 1816 Sheffield, prof. of ♛ Camb. 56, princ. Roy. Acad. of ♛ 68, kntd. 71, † 1/2 75. "May Queen," "Woman of Samaria." 2] John Hughes, ♯, * 31/8 1812 London. ✓. † 25/9 75. 3] Rev. W. James Early, † ✓, * *ca.* 1805, Vic. of Frome-Selwood 51, deft. in Sheppard *v.* Bennett (Privy Council) 71, † 15/8 86.

Ben Nevis, highest ▲ in Gt. Brit.; *v.* Ben.

Bennigsen, 1] Levin Aug. v., genl., * 10/2 1745 Brunswick, in Russ. serv. 73, conspd. agst. Paul I.; at ⚔ Leipzig; creatd. count 1813, † 2/10 26 Hanover. 2] His s. Alex. Levin v., * 21/6 1809, Hanov. minister 48–50. 3] Rud. v., statesm., * 10/7 1824, leader of Nat. Lib. Party, Pres. Hanover 88.

Bennington, ⊙ Vermont, U.S.A., ⚔ 16/8 1777, Brit. deftd.

Benno, bp. of Meissen, Apostle of the Wends, 1066–1107, canonisd. 1523.

Benoit, P., ♛, * 17/8 1834, Dir. of Conserv. at Antwerp 67, composer.

Benshie, or Banshee (*q.v.*).

Bent-grass, Eng. name for *Agrostis*, gen. of grasses, incl. 6 Eng. species.

Bentham, Jeremy, mor. & pol. ✍ ✓, * 15/2 1748 London, † 6/6 1832. Princip.: The greatest happiness of the greatest number; utilitarianism.

Bentheim, ⊙ Hanover, 2,300 inh., ♨ springs.

Bentinck, noble Dutch family, transplntd. to Eng. & Oldenburg. 1] Willm., 1st E. of Portland, * 1649, friend of Will. III. & statesm., † 1709. 2] Lord George F. C., Eng. statesm., 3rd s. of 4th dk. of Portland, * 1802, Conserv. leader, † 1848. 3] Lord Willm., * 1774, Gov.-Genl. of Ind. 1827–35, † 39.

Bentivoglio, 1] Giov., Bolognese statesm., * 1439, created Prince of the Senate 62, patronised arts, expelled 1506, † 1508 Milan. 2] Guido, statesm. & ♛ ✓, * 1579 Ferrara, bp. of Terracina 1641, † 44.

Bentley, 1] Rich., class. schol. & crit., * 27/1 1662 Oulton, † 14/7 1742. 2] Robt., ♃, * 1823 Hitchin. ✓.

Benton, Thos. Hart, Amer. statesm. & ♛ ✓, * 1782, † 1858.

Bent-wood, ivy, ♃, *hedera helix*.

Bentzel-Sternau, C. Ern., Ct. v., humor. ✓, * 9/4 1767 Mayence, † 13/8 1849.

Benvenuti, P., ♛ ●, * 1769 Arezzo, † 1841, Florence.

Benyowski, *v.* Benjowski.

Benzenberg, J. Fried., nat. ✍, * 5/5 1777, † 8/6 1846. ✓.

Benzene, phenyl hydride, or benzol, ⚗, a comp. of carbon & hydrogen, disc. by Faraday 1825 in

liq. formd. by compression of oil-gas; fnd. in coal-tar by C. B. Mansfield 49: C_6H_6: source of aniline.

Benzine, or Benzoline, any vol. inflamm. liq. hydro-carbon, espec. coal-tar, naphtha, or petroleum spirit.

Benzoic Acid, ⚗, $C_7H_6O_2$, or phenylformic acid, obtained by oxidation of benzylic alcohol by aqueous chromic acid and otherwise, exists in gum-benzoin; forms light, feathery, colourless crystals.

Benzoin, 1] or Benjamin, the resin of *styrax benzoin* of E. Ind., hardens in brittle mass, used in perfum., incense, & varnishes. 2] ♨, gen. of *lauraceæ*, incl. *benzoin odoriferum*, wh. yields aromatic stimulant oil.

Beöthy, 1] Sigm., Hung. ♁ ✓, * 1819 Komorn. Sevl. comedies. 2] His s. Zsolt, * 4/9 1848, nov. ✓.

Beowulf, anct. alliterative A.-Sax. epic.

Beranger, P. Jean de, Fr. poet. & song ✓, * 19/8 1780 Paris, † 16/7 1857.

Berar, or Haidarabad Assigned Districts, prov. of Brit. Ind., N. of Haidarabad, placd. in Brit. hands in 1853 by the Nizam in payment of debt. Cotton. 17,728 s.m., 2,230,000 inh. Cap. ⊙, Ellichpur.

Berber, ⊙ Nubia, on Nile, 20,000 inh.

Berberah, ⚓ ⊙ Somaliland, Gulf of Aden, occupd. by Egypt. 1874; trade; occupd. by Brit. 84.

Berberine, ⚗, $C_{21}H_{19}NO_5$, yellow bitter princ. contnd. in root of barberry tree, used in dyeing, & as substit. for quinine.

Berberry, or Barberry, ♨, *berberis*, gen. of plnts. typ. of ord. *Berberidaceæ*. *B. vulgaris*, common B., is indigen. in Brit.; prods. dye & ♨, bark: fruit used for preserv. & as anti-scorbutic. A fungus that attacks wheat origs. in its leaves.

Berbers, or Barabras, general name for natives of Nubia, but properly natives of distr. of Berber.

Berbice, the E. part of British Guiana (*q.v.*).

Berchem, or Berghem. Claas, ♛ & etcher, * 1620 Haarlem, † 18/2 83 Amsterdam.

Berchet, Giov., Ital. patr. and poet. ✓, * 1790, † 1851, transltd. "Vicar of Wakefield."

Berchta, Scand. myth., goddess of corn, &c., wife of Woden.

Berchtesgaden, ⊙ Bavaria, salt ⚒s, 1,800 inh.

Berditcheff, ⊙ Russ. Poland, 5 fairs yearly. Cattle, corn, wine. 54,500 inh., chiefly Jews.

Bereed, Kasim, fnder. of Bereed dyn. of Beedar in the Deccan, † 1504.

Bere Island, r. Bear I.

Berends, K. Aug. W., Germ. ✓, * 1753, † 1826.

Berengaria, d. of Sancho VI. of Navarre, m. 1191 Rich. I. of Eng., † *cr.* 1230.

Berengarius, or Berenger. 1] I., s. of dk. Eberhard of Frioule, king of Ital. 888, murd. 924. 2] II., s. of Margrave Adalbert of Jorea, king of Ital. 950, † 66.

Berengarius, or Berenger of Tours, †, * 998 Tours, † St. Côme 1088; thrice suspected of heresy & thrice recanted.

Berenice, 1] dau. of Magas, k. of Cyrene, & w. of Ptolemy III. of Egypt; in fab., her hair became a constelln.; executd. 221 B.C. 2] Dau. of Agrippa I., tetrarch of Judæa, w. of Herod, k. of Chalcis, & of her brother Agrippa II., *ca.* 48.

Berenice, anct. ⊙. 1] ⊙ Uppr. Egypt on Arab. Gulf. 2] ⊙, now Benghazi, in Tripoli.

Beresford, 1] Will. Carr, Visct., Brit. f.-marsh., nat. s. of marq. of Waterford, * 2/10 1768, took Madeira, comm.-in-chf. of Port. army 1809, vict. at ⚔ Albuera 11, peer 15, in Brazil 17, bansd. from Port. 23, † 8/1 54. 2] His brother, Sir John, Brit. adm., * 1769, † 2/10 1844. 3] John George, Lord, archbp. of Armagh 1822, * 1773, † 1862. 4] Lord Charles W. de la P., 2nd s. of

4th Marq. of Waterford, * 1846; entd. Navy 59, disting. in *Condor* at bomb. of Alexandria 82, & on Nile at Khartoum 85, M.P., Ld. of Admlty. 86, creat. ⚓ Intell. Dept., resigned 87. 5] Marcus G., * 1800; Archbp. of Armagh 62, † 26/12 85.

Beresford-Hope, Rt. Hon. A. J. B., * 1820, M.P. Maidstone 41–52, 57–59, Univ. of Camb. 68, nov. ✓. † 20/10 87.

Beresina, ⚔ Lithuania, ✕ 26–28/11 1812.

Beresovski, Max. Soznovich, Russ. 𝄞 composer, * 1745, † 78.

Berezov, ⊙ in Tobolsk, Siberia, 2,000 inh.

Berg, formly. a duchy on right bank of Rhine, cap. ⊙ Duffeld; now Prussian.

Berg, 1] Friedl. W. Fedor, Russ. genl., * 26/5 1790, Gov.-Genl. of Finlnd. 54, Cnt. 56, Govr. of Polnd. 63; harsh; f.-marsh. 66, † 18/1 74. **2]** K. H. Edm. v., Germ. ✓ ✓, * 30/11 1800, † 20/6 74.

Bergamo, chf. ⊙ of prov. B. in Italy, annual fair, silk, 39,000 inh.

Bergamot, Oil of, volat. oil from rind of bergamot orange, *citrus bergamium*, S. Europ.; perfumery.

Bergedorf, ⊙ nr. Hamburg, 4,350 inh.

Bergen, 1] ⚓ ⊙, & cap. of prov. of S. Bergen, W. Norw., college, cathed., fishing; burnt 1855; 41,000 inh. **2]** Dutch villg. nr. Alkmaar, ✕ 19/11 1799.

Bergen-op-Zoom, Dutch ⊙ on Scheldt, 10,500 inh., formerly ⚙.

Berger, 1] L., 𝄞, * 18/4 1777, † 16/2 1839, teachr. of Mendelssohn, composer. **2]** J. Nepom., Austr. statesm., * 16/9 1816, † 9/12 70 Vienna.

Bergerac, S. Cyrano de, Fr. ✆ & rom. ✓, * 1620, † 1655.

Berghaus, 1] H., ⊙, * 3/5 1797 Cleves, † 18/2 1884. **2]** Herm. B., ⊙, * 16/11 28. "Chart of the World" 73.

Berghem, *v.* Berchem.

Bergk, Theod., philol. & ✍ ✓, * 22/5 1812, † 20/7 81 Ragatz.

Bergman, T. Olof, ⚗, ⚙, & zool., * 20/3 1735 W. Gothland, † 8/7 84 Medevi. ✓.

Bergsöe, William, Dan. ✓ & zoologist, * 8/2 1835, novels, poems.

Beriberi, ✚, disease causing paralysis & numbness: Ceylon & Ind.; generally fatal.

Bering, *v.* Behring.

Bériot, C. Aug. de, violinist, * 20/2 1802 Louvain, † 8/4 70 Brussels.

Berkeley, 1] Geo., ☙, * 12/3 1684 Kilcrin, bp. of Cloyne 1734, † 14/1 1753 Oxford; origtr. of Ideal ☙. ✓. **2]** Sir Geo. Cranfield, Brit. adml., * 1753, † 1818. **3]** Hon. G C. Grantley F., rom. ✓, * 1800, † 23/2 81. **4]** James, Earl of, Eng. adm., * 1680, 1st Lord of Adm., † 1736. **5]** Sir Willm., Eng. adm., * 1639, rear-adm. 65, † in action 66. **6]** Rev. Miles Joseph, Eng. nat. ☙, * 1803 Oundle.

Berkenhout, Dr. John, ✚, zool., biog., ✚, ⚗, & misc. ✓, * 1730 Leeds, † *ca.* 1793.

Berkhamsted, ⊙ Hertfordsh.; 5,000 inh.

Berkowetz, Russ. measure of weight=*ca.* 362 lbs.

Berkshire, S. Midl. co. of Eng. in valley of Thames. Agriculture, paper; 703 s.m., 218,000 inh., returns 8 membs. Parlt.: N. (Abingdon), S. (Newbury), E. (Wokingham). Chf. ⊙, Reading.

Berlengas, Port. isles off W. coast of Estremadura, rocky, ⚙.

Berlepsch, Herm. Alex. v., travl. ✓, * 1812, † 14/5 83 Zurich.

Berlichingen, Götz (Gottfr.) v., Germ. knt., * 1480, lost his hand & had an iron one made; fght. ag. the Swabian Confed. 1519; headed the peasants, fght. 41 ag. Turk., 44 ag. Fr., † 23/7 62 Hornberg. ✓ Autobiography.

Berlin, cap. ⊙ of prov. Brandenburg, of Pruss., & of Germ. Emp., on Spree. Emp.'s palace, Cr. P.'s palace, Roy. Library, stat. of Frdk. the Gt., col. of Victory, Univ. (4,200 students), Roy. Acad. of Sc. fnded.

1700, Roy. Acad. of Arts, Roy. Mus., commerce; mnfs. engines, copper, brass, bronze, porcelain, paper, ♫ instrs., silk, cotton, wool; 25 s.m., 1,450,000 inh.; 1689, 20,000 inh.; 1858, 458,000 inh.; 3rd ⊙ in Europe. Fnded. 1225–32; since 1448 resid. of Hohenzollerns, frequently besieged in 30 Years' War.

Berlin, Treaty of, 13/7 1878, betw. Gt. Brit., Germ., Austr., Fr., Ital., Russ., & Turk., for settlemt. of Eastern affairs after Russ.-Turk. War.

Berlinghieri, Vacca, Ital. ♪, * 1772 Pisa, † 1826. /.

Berlioz, Hector, ♫ & /, * 11/12 1803 Côte St. André, stud. ♪, composed cantatas, symphonies, operas, &c., librarian of Conserv. at Paris 39, † there 9/3 69.

Bermudas, or Somers Isles, 300 (16 inhd.) in W. Atlant. O., discovd. by Juan Bermudez 1522, colond. from Virginia 1611, after shipwrk. there of Adm. Sir Geo. Somers 1609, 41 s.m., 14,900 inh. Chf. isles, Gt. B., or Long Island, St. George's, Ireland, Paget's, Smith's, Nonsuch: low, flat, fertile; arrowroot, banana, orange, peach. ⊙s, St. George's fnded. 1794, Hamilton (cap.) fnded. 1790. Brit. ✕ & ⚓ stats. & dockyard in I. of Ireland. Rev. *ca.* £29,000, exp. *ca.* £30,000.

Bermudez, Joao, Port. ♪ & travlr. in Abyss., † 1575. /.

Bern, or Berne, cap. ⊙ of canton B. & of Switz., on Aar: cathed. fnded. 1471; Univ. opnd. 1834; no municip. taxatn. Wool, flax, clocks, watches, wood-carvg.; 45,000 inh. Area of canton, 2,660 s.m., 538,000 inh.

Bernacchi, Ant., ♫ & singr., * 1690, pupil of Handel, † 1756.

Bernadotte, Jean Bapt., * 26/1 1764 Pau, enlistd. in Fr. marines 80, col. in army 92, genl. 93, marshal 1806, & P. of Ponte Corvo, electd. Cr. P. & heir to throne of Swed. 1810, changd. name to Charles John, opposd. Napoleon 12–15, proclaimed king of Swed. as Charles XIV. 18; † 8/3 44 Stockholm; succeeded by his s. Oscar I.

Bernard, 1] Claud, Fr. physiol., * 12/7 1813 St. Julien, † 10/12 76; grtly. extend. physiol. science. 2] Edw., math., philol., & † /, * 2/5 1638 Pauler's Pury, † 97 Oxford. 3] Sir Sam., philan. & schol., * 1750, † 1818. 4] A. Martin, Fr. revolut., * 17/9 1808. /. 5] His brothr., Aug. Jos., Ψ, * 1/1 1811. /. 6] W. Bayle, ✆ /, * 1808 Boston, U.S., † 75.

Bernard, St., * 1091 Fontaines; fnded. monasteries of Bernardines, or White Monks; abbot of Clairvaux, † 20/8 1153.

Bernard, Grt. St., ▲ pass in Pennine Alps, betw. Valais & Piedmont, monastery fnded. 962 by B. de Menthon, 8,150 ft. above sea: passage of Napol. into Ital. 1800.

Bernardin de St. Pierre, *v.* Saint Pierre.

Bernardine, St., Ital. monk, * 1380, † 1444 Aquila, nursd. plague patients at Siena 1400.

Bernardines, or Cistercians, a branch of the Benedictines; white-frocked monks.

Bernasconi, And., Fr. ♫ composer, * 1712 Marseilles, † 84.

Bernauer, Agnes, w. of Alb. III. of Bavar., drownd. as a witch in the Danube 12/10 1435.

Bernays, Michael, ♛ /, * 1834, professor at Munich 1873, critic.

Bernberg, ⊙ Anhalt, on Saal, 18,600 inh.

Bernbrunn, Karl, ♘, * 7/10 1787, † 14/8 1854, fnded. Karltheater, Vienna. 47.

Berne, *v.* Bern.

Berners, John Bourchier, Lord, * *ca.* 1474, † 19/3 1532; transltd. Froissart.

Berners, Barners, or Barnes, Juliana or Julyans, Eng. /, * *ca.* 1397 Roling Berners, Essex, Prioress of Sopewell, † *ca.* 1465. Treatises on Hunting, Hawking, & Fishing.

Bernese Alps, pt. of Swiss Alps in Bern & Valais.

Bernhardi, Theod., ✓, * 6/11 1802 Berlin.

Bernhardt, Sarah, ☾, * 22/4 1843 Paris; joined stage 62, at Theatre Franç. 71–80.

Bernhardy, Gottfried, Germ. philol., * 20/3 1800, † 14/5 75. ✓.

Berni, Franc., Ital. poet. ✓, * 1490, † 26/7 1536, mastr. of burlesque.

Bernicle Goose, or Clarkis, v. Barnacle.

Bernini, Giov. Lor., ♘, ☻. & △, * 1598 Naples, † 28/11 1680 Rome. Colonnade of St. Peter's.

Bernis, F. J. de Pierre, Ct. de Lyon, statesm., * 22/5 1715, favorite of Pompadour, Fr. For. Min. 57, archbp. of Alby 64, card. 69. † 2/11 94 Rome.

Bernouilli, 1] James, math., * 27/12 1654 Basle, first solvd. differ. equation, † 16/8 1705. 2] His brother John, * 27/6 1667, † 1/1 1748, disced. integ. calculus. 3] His 2nd s. Daniel, * 29/1 1700, † 17/3 82, ✓ on hydrodynamics, &c. Sev. othr. membs. of fam. were maths. of eminence.

Bernstein, Aar., misc. & zool. ✓, * 1812 Danzig, † 84 Berlin.

Bernstorff, 1] J. H. Ern., Ct., Dan. statesm., * 13/5 1712 Hanover, † 19/2 72. 2] His cous. And. P., * 28/8 1735, † 21/6 97. 3] His s. Chris. Gunther, * 3/4 1769 Copenhagen, 1818 Pruss. Ministr., † 28/3 35. 4] His nephew, Alb., * 22/3 1809, ambass. to London 71, † 26/3 73.

Bernward, bp. of Hildesheim 993, * *ca.* 950, ♘ & ☻, † 1022, canonised 1193.

Beroalde de Verville, Franç., Fr. ✍, math., & scient. ✓, * 1558, † 1612.

Beroë, zool., gen. of animals, oval & globular ribbd., transpart. & gelatinous, sometimes rotating, & at night phosphorescent.

Berosus, ♛ ✓, priest of Belus at Babylon, *ca.* 330 B.C.

Berri, or Berry, anct. prov. of Fr., now Cher & Indre.

Berri, 1] Chas. Ferd., dk. of, 2nd s. of Chas. X. of Fr., * 24/1 1778, assassd. by Louvel 13/2 1820, fathr. of Comte de Chambord. 2] His w. Carol. Louisa, pcess. of Sicily, * 5/11 1798, † 16/4 1870.

Berry, in ✿, *bacca*, such soft succulent fruits as have seeds lying loosely amid pulp, *e.g.* gooseberry, grape.

Berryer, P. Ant., Fr. orat., * 4/1 1790 Paris, † 29/11 1868 Angerville. ✓.

Bersaglieri, Ital. riflemen; 12 regts. of 3 battalions.

Berserkers, Scand. heroes wh. fght. without armour & with extraordinary fury.

Bert, Paul, physiol. & polit., * 17/10 1833 Auxerre, prof. at Bordeaux 66, memb. of Nat. Assem. 74, ministr. 81–82, Gov. of Coch. China 85, † 10/11 86. ✓.

Bertha, w. of Pepin, & mothr. of Charlemagne.

Bertherand, Alph. Franç., Fr. ✕ surgeon, * 9/2 1815 Bazeilles. ✓.

Berthier, Alex., Fr. marshal, * 20/11 1753 Versailles, chf. of staff in Ital. & Egypt, War Ministr. 1800, marsh. 04, Pr. of Neuenburg, m. Press. Amelia of Bavaria-Birkenfeld 08, dk. of Wagram 09, chf. of staff in Russ. 12, peer, threw himself out of window at Bamberg 1/6 15.

Berthollet, Cl. L., Fr. ⚗, * 9/12 1748 Talloire, † 6/11 1822 Paris. ✓.

Bertholletia, ✿, gen. of ord. *lecythidaceæ*, the Brazil, or Para, nut tree. B. nuts prod. oil used by watchmakers.

Bertrand, 1] H. G., Ct., Fr. genl., * 28/3 1773 Chateauroux, accompd. Napol. to Elba & St. Helena, commander of Polytech. School 1830, † 31/1 44. 2] James, ☻, * 1825 Lyons.

Bertuch, F. Just., publr. & ✓, * 30/9 1747 Weimar, † 3/4 1822.

Berwick-on-Tweed, ⚓ ⊙, Northumberland, at nth. of Tweed. Castle, trade, 14,000 inh. Until 1832 a co. in itself. Trty. of B. 1560.

Berwick, Jam. Fitzjames, dk. of, Fr. marshal, * 21/8 1670, nat. s. of Jam. II. & Arab. Churchill, † 12/6 1734 before Philippsburg. Ancest. of dks. of Liria & Fitzjames.

Berwick, North; *v.* N. Berwick.

Berwickshire, marit. co. S.E. Scotl., div. into Lauderdale, Lammermuir, & Merse distrs., agric., 464 s.m., 35,400 inh. Ret. 1 memb. Parlt. Chf. ⊙, Greenlaw.

Beryl, a ⊕ genus, incldg. emerald & beryl; double silicate of aluminium & beryllium; always crystalline; regul. or modifd. hexagonal prisms. The B. species includes aquamarine, anct. chrysoberyl, anct. chrysoprase, goshenite, davidsonite, &c., & is colourless, light green, greenish yellow, blue, violet, or reddish. The B. of Script. was prob. 1] topaz, 2] onyx

Beryllium, or Glucinum, a rare white malleable metal; melts at temp. below melt. pt. of silver.

Berzak, Mahom. myth., the interval betw. death & resurrection.

Berzelius, Jons Jakob, Swed. ⚗, * 20/8 1779 in E. Gothland, † 7/8 1848; baron & senatr.; authr. of binary theory of ⚗ constitutn. of compnds.; devisd. modern symbolic notation. ✓.

Besançon, chf. ⊙ Doubs, Fr., on Doubs, ⚙, archbpr., cathed.; anct. ⊙, Visontium; Rom. ruins; watch-making, 55,000 inh.

Besant, *v.* Bezant.

Besant, Walt., nov. & misc. ✓. * 1838 Portsmouth. Wrote, with Jas. Rice, "Ready-money Mortiboy," "The Golden Butterfly," &c.; alone, "All Sorts and Conditions of Men," "Children of Gibeon," "Life of Prof. Palmer," &c.

Bescherelle, L. Nich., Fr. grammarian, * 10/6 1802 Paris. ✓.

Beseler, 1] Will. Hartw., leadr. of the Schles.-Holst. movement 1848–51, * 3/3 1806. 2] His brothr. K. G. C., * 2/11 1809, prof. of ⚖ Basle, Rostock, Greifswald, † 29/8 88. ✓.

Beskow, Bernh. v., Swed. ✆ ✓, * 22/4 1796, † 17/10 1868.

Bessarabia, govt. of W. Russ. borderg. on Austro-Hung. & Roumania, 14,046 s.m., 1,100,000 inh. ⊙s, Bender, Akerman, Kishenev, Ismail.

Bessarion, John, of Trebizond, * 1395, Card., increasd. libr. of St. Mark, Venice, † 19/11 1472 Ravenna. ✓.

Bessel, Fried. W., ✶, * 22/7 1784 Minden, † 17/3 1846.

Bessels, Em., polar explor., * 1847 Heidelberg. ✓ "Arctic Expedition."

Bessemer, Sir Henry, ⚙, * 1813, invntr. of the B. process, kntd. 79.

Bessemer Process, subst. for puddling with cert. descripts. of cast-iron, & mode of manfg. steely iron; consists of forcing air into melted cast-iron; made public 1856.

Bessières, J. Bapt., Fr. marshal, * 6/8 1768 Brissach, in Egypt 98, marsh. 1804, dk. of Istria 08, † ⚔ Lutzen 2/5 13.

Bestuscheff-Rjumin, Alexei, Ct., Russ. statesm. & genl., * 2/6 1693 Moscow, † 21/4 1766.

Betaine, ⚗, $C_5H_{11}NO_2$, nat. alkaloid in beetroot, neutral & sweet, shining needle-like crystals.

Betel-nut, or Pinang, seed of betel-palm or *areca catechu* (*q.v.*), used in East for chewing.

Betelgeuse, ✶, star of 1st magn. in Orion.

Bête noire, Fr. = black beast; peculiar aversion.

Bethany, villg. nr. Jerusalem, on Olivet, now Beit-el-Asarije.

Bethlehem, now Beit-Lachm, anct. ⊙ nr. Jerusalem, birthpl. of David & Christ, 5,000 inh., holy grotto.

Bethlen Gabor, grand-prince of Transylvania, * 1580, usurped throne of Hungary 1620, † 15/11 29.

Bethmann, Frederica Aug. K., ♀, *née* Flittner, * 24/1 1760 Gotha, joind. stage 79, † 15/10 1815 Berlin.

Bethmann-Hollweg, M. A. v., statm., * 8/4 1795 Frankfort-o.-M., Pruss. Min. of Worsh. 58–62, † 14/7 1877. /.

Bethnal Green, bor. divsn. of E. London, 127,000 inh., ret. 2 membs. Parlt., N.E. & S.W.

Bethune, ⊙ Pas-de-Calais, Fr., on Lave, takn. by Marlboro' 1710, 6,500 inh.

Bethusy-Huc, Edw. Geo., Ct., polit., * 3/9 1829 Bankau (m. Valeska, "Moritz v. Reichenbach," * 15/6 49, rom. /).

Betony, Eng. name of ✿ gen. *betonica*, esp. of *b. officinalis*, or wood-betony; common in Eng.; intoxicant; prods. yellow dye.

Betterton, Thos., Eng. ♁, * 1635 Westminster, joind. stage 59, m. Miss Saunderson, ♁, 70, † 28/4 1710. /.

Bettinelli, Saverio, /, * 1718 Mantua, † 1808.

Betul, or Baitool, dist. of C. Provs., Brit. Ind., 4,118 s.m., 290,000 inh. Adminst. hd.-qrtrs. Badnur.

Betulaceæ, ✿, ord. containg. the gens. *betula* (birch) & *alnus* (alder).

Betz, Franz, baritone singer, * 19/3 1835 Mayence.

Beulé, C. Er., Ψ, * 29/6 1826, † 4/4 74 Paris, explored Acropolis.

Beurmann, K. M. v., Afr. travlr., * 28/7 1835 Potsdam, murd. in Wadai 63. /.

Beurnonville, Pierre de Ruel, Marq. de, statesm., * 10/5 1752, Min. of War 93, genl. of N. Army 95, marsh. 1816, † 23/4 21 Paris.

Beust, 1] Fried. Ferd., Ct., statesm., * 13/1 1809 Dresden, For. Min. 49, enterd. Austr. serv. 66, Chancellor 67, Amb. to London 71, to Paris 78–82, † 24/10 86. 2] F. Const. v., ⊕ & ⚒, * 13/4 1806 Dresden. /.

Beuth, P. C. W., Pruss. statist, * 28/12 1781 Cleves, † 27/9 1853.

Beuthen, ⊙ Silesia; 23,000 inh. ⚒.

Beveland (North & South), 2 islds. in est. of Scheldt, betw. Holl. & Belg.; belong. to Holl., 25,000 inh.

Beveridge, Willm., † /, * 1638 Barrow, eductd. Cam., bp. of St. Asaph 1704, † 5/3 08.

Beverley, ⊙ E. Riding of Yorksh., minster 13th cent., 11,500 inh.

Beverley, John of, Eng. † /, archbp. of York 687, retird. 717, † 7/5 721.

Beverly, William R., theatrical scene & water-colour ●, * 1824 Richmond.

Bevern, Aug. W., dk. of Brunswick B., Pruss. genl., * 15/10 1715, † 2/8 82 Stettin.

Bewdley, ⊙ Worcestersh., on Severn. 8,700 inh

Bewick, Thos., wood engravr., * 1753 Cherryburn, † 8/11 1828 Gateshead. "Hist. of Brit. Birds."

Bey, or Beg, Turk. = lord, prince; governor, colonel.

Beyer, Gust. F. v., Pruss. genl., * 26/2 1812 Berlin.

Beyle, Marie Henri ("Stendhal"), * 23/1 1783 Grenoble, † 23/3 1842 Civita Vecchia. Biog., rom., trag. /.

Beymaroo, nr. Kabul, ✕ 23/11 1841, Brit. deftd. by Afghans.

Beyrich, H. E., ⊕, * 31/8 1815 Berlin.

Beyrout, or Bairut, chf. ⚓ ⊙ Syria, on Mediterr., large trade in Eastern prodts., new harb. built 1874; anct. ⊙, Berothah; 75,000 inh. Bombd. by Brit., Austr., & Turks 1840.

Beza, or de Bèze, Theod., Fr. Calv. † & reformer, * 24/6 1519 Vezelai, † 13/10 1605; presented MS. of Gospels to Univ. of Camb.; /; *v.* Codex.

Bezant, anct. gold coin of Constantinople (Byzantium), 9th–14th cent., thence name for sev. coins of Eng. & elsewhere. B. of K. Stephen, silver = 2s. In heraldry, a round spot of gold.

Beziers, ⊙ Fr., on Orbe; wine, museum, 43,000 inh.

Bezoars, calculi or concretns. fnd. in bodies & esp. in intestines of animls., anctly. used as charms.

Bezonian, a beggar.

Bhadrapad (Virgo), 6th mo. of Hindu year.

Bhagalpur, divsn. of Bengal, Brit. Ind., 18,685 s.m., 6,630,000 inh.; also a distr. in B., 1,830,000 inh., & its cap. ⊙, B., 70,000 inh. The divsn. furthr. incls. distrs. of Monghyr, Maldah, Santal Parganas, & Purniah.

Bhagavad-Gitâ, an episode of the Ind. epic "Mahâ-Bhârata": philos. teaching.

Bhamo, ⊙ Uppr. Burmah, on Irawadi; trade, 7,000 inh.

Bhandara, distr. of C. Provs. of Brit. Ind., 3,922 s.m., lakes, 570,000 inh. Cap. ⊙, B., captd. 1854 by Brit.; 11,500 inh.

Bhang, intox. liq. or drug, mnfd. from flowrg. tops of Ind. hemp, *cannabis indica*; called in Turk. haschisch.

Bharaich, or Beraytch. distr. of Oudh, Brit. Ind., 2,645 s.m., 777,000 inh. Cap. ⊙, B., 19,000 inh.

Bhartpur, or Bhurtpore, nat. State of Rajputana, Ind., 1,974 s.m., 740,000 inh. Cap. ⊙, B.

Bhartrihari, Ind. proverbial poet, *ca.* 50 B.C.

Bhascárá, Hindu math. & ✱ /, *ca.* 12th cent.

Bhavabhuti, Ind. ☾ /, *ca.* 800, *Malati, Mâdhava.*

Bhavani, Hindu myth., wife of Shiva.

Bhawalpur, or Doodputra, feudatory State, N.W. Ind., 22,000 s.m., 480,000 inh. Cap. ⊙, B.

Bhel, or Bilwa, Ind. name of Bengal quince, *ægle marmelos.*

Bhil, or Bheel, Brit. political agency, C. Ind., formd. 1825, 8,160 s.m., 240,000 inh., incl. sev. states.

Bhopal, Brit. polit. agency, C. Ind., inclg. 31 nat. administratns., of which B. is chf., 8,200 s.m., 772,000 inh., Gonds.

Bhurtpore, *v.* Bhartpur.

Bhutan, or Bootan, indep. kingdom of Ind., in E. Himalayas, separd. from Nepal by Sikkim, ▲ous: maize, wheat, rice, paper. 200,000 inh., Buddhists. Cap. ⊙, Tasisudon. War with Brit. 64–5, Assam ceded to Brit.

Bhuvaneswar, ⊙ Puri distr., Bengal, Ind., 7,000 shrines of Shiva; 560 still standing, but ruined.

Bi, ♃, symb. of metal. elemt., bismuth.

Bia, money cowry shell, *cypræa moneta.*

Biafra, marit. distr. on W. coast of Afr., giving name to Bight of B., E. pt. of G. of Guinea.

Biala, ⊙ Galicia, on B., 7,300 inh.

Bialystok, *v.* Bjelostok.

Bianchi, 1] Franc., ♥ composer, * 1752 Cremona, † 1810 London. 2] Giov., "J. P. Ariminensis," Ital. nat. ☘, * 1693 Rimini, † 1775. /. 3] Giov. B., Ital. anat., * 1681 Turin, † 1761. /.

Bianchini, Franc., ☙, ✱, & Ψ /, * 13/12 1662 Verona, † 2/3 1729.

Bianconi, Carlo, * Tregolo 1788, sold prints in Ireland 1802; introduced there system of coaches 15.

Biard, 1] Aug. Franc., orient. ☻. * 27/6 1801, † 82. 2] His w., "Léonie d'Aunet," sepratd. from him 43, rom. /.

Biarritz, ⚓ ⊙ Basses Pyrénées, Fr., min. springs, 5,000 inh.

Bias, Ionian ☘, one of the ⁷ sages of Greece, *ca.* 550 B.C.

Bibasic, ♃, of an acid. contng. 2 atms. of hydrogen that can be replaced by other metals.

Bibbiena, Bern. Dovizj, Card., * 1470, patr. of Raphael, † 1520. /.

Biberach, ⊙ Wurtemb., 7,800 inh.

Bibesco, Geo. Dimit., * 1804 Cracovia, electd. Hospodar of Wallachia 2/6 43, resigned 48, † 1/6 1873.

Bibirine, or Bebirine, ♃ & ✱, an unerystallisable base extracted from Guiana greenheart tree, *nectandra rodiæi*, used instead of quinine.

Bible, name givn. by Chrysostom to Christ. sacred writings, Old & New Tests. Old T. transltd. into Grk., 2nd cent. B.C., & calld. the Septuagint (q.v.). It & the New T.

transltd. into Latin 2nd cent. & calld. the Vulgate version. B. ptly. transltd. into A.-Sax. 8th cent. Compl. Eng. trans. by Wiclif *ca.* 1380. First printd. Eng. B. by W. Tyndale 1526–32. Present Authd. Vers. compltd. 1611. Revisd. N. Test. in Eng. pubd. 1881, O.Test. 85. Transls. of B. forbidden by Councils of Toulouse 1229, & Trent 1545–63.

Bible Christians, or Bryanites, Christ. sect. fnded. by W. O. Bryan 1815.

Bible Societies have for objt. the diffusn. of cheap copies of B. in var. langs. Soc. for Prom. Christ. Knowl. establd. 1698; Soc. for Prop. of Gosp. in For. Pts. establd. 1701; Bible Society establd. 1780; French B. Soc. establd. 1792; Brit. & For. B. Soc. 1804. Denounced. by Papal Bull 29/6 1816.

Biblia Pauperum, Lat.=poor men's Bible, publicatn. of Middle Ages in wh. on 40–50 plates the chf. events of the lives of Christ and the prophets were set forth.

Bibliography, knowledge & classification of books, their form & contents.

Bibliolatry, superstit. worship of the Bible.

Bibliomania, craving for possession of books.

Bibliopegy, art of bindg. books.

Bibliophile, lover of books.

Bibliopole, bookseller or dealer.

Bibracte, anct. ⊙, Autun (*q.v.*).

Bicarbonate, ⚗ & phar., name for acid carbonate of potassium, sodium, &c. B. of potassium $KHCO_3$; B. of sodium $NaHCO_3$.

Biceps, in anat., muscles having two points of origin, *e.g.* the B. of the arm & that of the leg; formr. has 2 pts. of orig. in *scapula* or shoulder-blade; lattr., one in *femur* or thigh-bone, & one in hip-bone.

Bicester, ⊙ Oxfordsh., 3,300 inh.

Bicêtre, villg. nr. Paris; celeb. lunat. asylum.

Bichat, M. F. Xav., physiol., * 14/11 1771 Thoirette, † 22/7 1802 Paris, fnder. of mod. pathol. anat. ✓.

Bickerstaff, Isaac, 1] ⊙ ✓, * 1735 Ireland, † *ca.* 1800. *Maid of the Mill,* &c. 2] Pseudonym of Sir R. Steele as editor of "Tatler."

Bickersteth, 1] Edw., Eng. †, * 1786, † 1850. ✓. 2] Dr. Edw., †, * 1814 Acton, Archdeacon of Buckingham 53, Dean of Lichfield 75. 3] Dr. Edw. Hy., †, * 25/1 1825 Islington, ✓, bishop of Exeter 85. 4] Dr. Robt., †, * 24/8 1816 Acton, bp. of Ripon 56, † 15/4 84. ✓.

Bickmore, Alb. Smith, Amer. zool., * 1/3 1839 Maine, travld. E. Ind. 65, Cent. As. 66, prof. nat. hist. Madison Univ. 70. ✓.

Bicycle, two-wheeld. velocipede, mach. for acceleratg. human locomotion; introd. 1815 from Fr. as *hobby-horse;* vastly improved since, and variously made.

Bidassoa, or Vidasoa, ⅄ rising in Pyrenees, flows to B. of Biscay; boundary betw. Fr. & Sp. ⚔ 7/10 1813, Brit. vict.

Bidder, Geo. Parkes, ⚙, * *ca.* 1800, known when young as "the Calculating Boy," Presdt. of Inst. of C.E. 60–61, † 20/9 78.

Biddery, alloy mnftd. at Bidar, copper 8, lead 4, tin 1, to this add 3-sixteenths of zinc when melted for use.

Biddle, 1] John, Unit. †, * 1615 Wotton-und.-Edge, † 22/9 62. ✓. 2] James, offr. U.S. ⚓, * 1783, captd. H.M.S. *Penguin* 23/3 1815, † 48. 3] Nich., Amer. finan. & ✓, * 1786, † 1844.

Bideford, ⚓ ⊙ Devonsh., Eng., on Torridge, trade, earthenware, ropes, sails, 6,600 inh.

Bidet, form of small bath, for administering injections.

Bidloo, Godf., anat., * 1649 Amsterdam, † 1713. ✓.

Bidon, meas.=*ca.* 5 qrts.

Bidpai, or Pilpai, supposed authr. of "Widjâprija," a collectn. of Hindu fables, *ca.* 300 B.C.

Biebrich, ⊙ Nassau, on Rhine, 8,200 inh., castle.

Biedermann, 1] Karl, ✆, ♛, & ♙ ✓, * 25/9 1812 Leipzig.

2] Wold. v., * 5/3 1817; crit. ✓.

Bièfve, Ed. de, ♛ ●, * 4/12 1809 Brussels, † 7/2 82.

Biel, or Bienne, Swiss ⊙ on Lake of B., 11,700 inh.

Biela, Willm. v., ☄, * 1782, disc. B.'s comet 1826, † 56.

Bielefeld, ⊙ Westphalia, on Lutter, linen, 30,500 inh.

Bielev, ⊙ govt. of Tula, Russ., on Oka, 8,000 inh.; cutlery, iron, copper.

Bielitz, ⊙ Aust. Silesia, on Biala, mnfs., 13,000 inh.

Bienne, or Biel, Lake of, W. Switz., in Bern, 10 × 2½ m., 1,330 ft. above sea. Isle of S. Pierre, Rousseau's resid. 1763; *v.* Biel.

Biennial, requiring two seasons to reach maturity, & then dying.

Biermann, K. Edw., landscp. ●, * 26/7 1803 Berlin.

Biernatzki, J. Christ., ✓, * 17/10 1795 Elmshorn, † 11/5 1840.

Bierstadt, Alb., landscape ●, * 1830 Solingen.

Biesbosch, marshy isle at nth. of Maas ⚓, Holland.

Bifrost, Scand. myth., bridge betw. heavn. & earth: the rainbow.

Biga, anct. 2-horsed chariot.

Bigamy, Eng. ⚖, contractn. of 2nd marr. durg. lifetime of former spouse; pun. w. death 1 Jam. I. c. 11; felony by 9 Geo. IV. c. 31.

Bigelow, 1] Erastus B., Amer. invntr., * W. Boyleton, Mass., 1814, invented hand & power looms.

2] John, Amer. jour. & misc. ✓ & dipl., * 25/11 1817 Malden, N. York, editr. N.Y. *Ev. Post*, 50–61, min. to Fr. 65–66.

Biggar, Jos. Gillis, Ir. polit., * 1828, M.P. Cavan 74.

Biggleswade, ⊙ Bedfordsh., 5,000 inh.

Bigha, superf. meas. in N.W. provs. of Ind. = 20 biswas = 3,025 sq. yds.

Biglow, Hosea, pseud. of Lowell, J. R. (*q.v.*).

Biglow, Willm., Amer. misc. ✓, * 1773, † 1844.

Bignon, L. P. Ed., Fr. diplom. & ♛ ✓, * 3/1 1771, For. Minister 1815 & 30; peer 37; † 5/1 41 Paris.

Bignonia, ✿, the gen. of trumpet-flowers. Sev. grow in Eng. hothouses, & one, *B. radicans*, thrives in open air.

Bigot, Marie, *née* Kiéné, pianist, * 1786 Colmar, † 1820.

Bihe, inlnd. Afr. kngdm. E., of Benguela.

Bijapur, cap. ⊙ distr. of Bijapur, Deccan, B. Ind. Brit. since 1818, anctly. cap. of indep. Mahom. kingdom, ruins. Area of distr. 5,696 s.m., 820,000 inh.

Bijayanagar, or Annagoandey, ruind. ⊙ in Bellary dist., Madras, Ind., blt. 1336–43, sackd. 1564.

Bijnaur, distr. of N.W. Provs. of Brit. Ind., 1,902 s.m., 740,000 inh. Chf. ⊙, B.

Bikanir, nat. state of Rajputana, Ind., 17,676 s.m., 540,600 inh. Cap. ⊙, B.

Bilander, ⚓, small two-mastd. vessel for coasting or use on canals, rigged like hoy.

Bilaspur, distr. of Cent. Provs. of Brit. Ind., 7,798 s.m., 750,000 inh. Cap. ⊙, B.

Bilbao, ⚓ ⊙ Biscay, Sp., on Ansa, 6 m. from B. of Biscay; iron, steel, pottery, paper, glass, grain, iron, zinc, lead; 19,000 inh.; besieged by Carlists 1874.

Bilberry, *v.* Whortleberry.

Bilbilis, anct. ○, Sp. ⊙, now probly. Calatayud; celebrated for sword-blades.

Bilboes, iron bars with shackles for confining ⚓ offenders.

Bilboquet, cup-and-ball.

Bilderdijk, Willm., Dut. ✓, * 7/9 1756 Amsterdam, † 18/12 1831 Haarlem.

Bile, greenish, bitter, viscid fluid secreted by liver & stored in gall bladder; main medium for changing chyme into chyle in process of digestion.

Bilimbi, or Blimbing, Malay name of acid fruit of gen. *averrhoa*, used in pickles.

Bilin, ⊙ Bohem., 5,600 inh., min. springs.

Bill, Eng. ⚖, an act or projectd. act of Parlmt., up to time when it receives Roy. assent. B. of Exchange, in commerce, a writtn. order addressed by A directing B to pay money on acct. of A to C; stamps on B.s of Ex. und. £5 1d., und. £10 2d., und. £25 3d., und. £50 6d., und. £75 9d., und. £100 1s.; for ev. £100 or pt. of £100 1s.; if payable on demand, any amt. 1d. B. of Lading, acknowledgment of receipt of goods on board ship for delivery; stamp 6d. B. of Sale, deed und. seal in evid. of sale of pers. propty. B. of Rights, Eng. ♛, Act of 1 Will. & Mary, sess. 2, cap. 2.

Bill-cock, water-rail, ornith., *rallus aquaticus*.

Billaud-Varennes, J. Nic., Fr. revolut. * 23/4 1756, exiled to Cayenne 95, freed 1816, † 3/9 19 Haiti.

Billault, Aug. Ad., Fr. statesm., * 12/11 1805 Vannes, Pres. of Legis. Assem. 51, senat. 54–58, Min. of Intr. 59, † 13/10 63.

Billet-doux, Fr. = love-letter.

Billiards, game playd. on level rect. table with balls & cues. Object. either to make one ball strike two others (a cannon), or to drive balls into nets or pockets at sides & angles of table. Pool & Pyramids are also playd. on a B. table.

Billings, Josh, pseud. of Shaw, H. W. (*q.v.*).

Billingsgate, Lond. fish-mkt., estab. 1699.

Billington, Elizabeth, *née* Weichsell, ♀ singr., * 1770 London, † 1818 Venice.

Billion, in England & Germ., 1,000,000,000,000, a million millions; in Fr., 1,000,000,000, a thousand millions.

Billiton, or Blitong, isle betw. Sumatra & Borneo, 25,000 s.m., 20,000 inh., iron & tin ⚒; ceded to Eng. 1812, ceded to Dutch 24.

Billon, numis., coin-alloy of copper & silver.

Billroth, C. Alb. Theod., * 26/4 1829, professor of surgery at Vienna 67. ✓.

Bills of Mortality, statist. report of deaths in spec. dists. Lond. B.s commed. 1593, weekly 1603.

Billunge, Sax. noble fam., supplying dks. of Sax. 961–1106.

Bilma, oasis in E. Sahara, Afr.

Bilston, ⊙ Staffordsh., Eng., coal, ironstone ⚒, 23,000 inh.

Bim-baschi, Turk. = head of 1,000; major.

Bimetallism, leg. obligatn. of a national mint to coin gold & silver at fixed ratio betw. the two metals; & privilege of debtors to pay in either.

Bina, or Vina, Ind. guitar with long finger-board & gourd at ea. end.

Binding, Karl, ⚖, * 4/6 1841 Frankfort-o.-M., prof. at Leipzig 73. ✓.

Bindweed, Eng. name for plnts. of gen. *convolvulus*. Ivy, or Black B., ✱, *polygonum C.* Blue B., ✱, *solanum dulcamara*. Small B., ✱, *C. arvensis*.

Bindwood, ivy, ✱, *hedera helix*.

Bingen, ⊙ Hesse, on Rhine; wine, corn, cattle; on rock in river, the Mausethurm, 13th cent.; 7,000 inh.

Bingham, Joseph, ✝ & Ψ ✓, * 1668, † 1723.

Bingley, ⊙ W. Rid. of Yorksh., on Aire, 18,500 inh.

Bini, Carlo, Ital. patr., * 1806 Leghorn, † 42. ✓.

Binnacle, ⚓, case containing compass & lamp.

Binney, Thos., Eng. Nonconf. ✝, * 1799, † 24/2 1874. ✓.

Binocular, having, or pertaing. to, two eyes. B. glass, telescope or glass to wh. the two eyes can be applied simultaneously.

Binomial, in algeb., pertaing. to a quantity consisting of two terms united by + or —.

Binomial Theorem, or *Binome de Newton*, announced by Newton

1676: in algeb., law by wh. a binomial quantity can be raisd. to any powr. without the trouble of a series of actual multiplications.

Binuë, Benue, or Tchadda, ⚓, affluent of Niger, explord. 1851 by Vogel, 83 by Flegel.

Binzer, Dan. v., poet. ✓, * 1798, † 1868.

Biobio, ⚓ Chili.

Biogenesis, theory that living mattr. can be prodcd. only from what is livg.; word invented by Huxley 1870; theory establd. by Francesco Redi.

Biography, written descriptn. of lives of partic. human beings.

Biology, study of living things, v. Botany, Zoology, &c. The physical basis of all life is protoplasm or bioplasm, a chem. subs. allied to albumen.

Bion, Gr. bucol. poet, * Smyrna ca. 300 B.C., † Sicily.

Biolite, hexag. ⬡, formly. calld. magnesia mica.

Biot, J. B., Fr. math. & phys. sc. ✓, * 1774 Paris, † 1862, discovd. rotary actn. of fluids, & several optical phenomena.

Bipes, zool., gen. of reptiles of ord. saurians & fam. *gymnophthalmidæ*, with imperf. hind-legs.

Bir, Beer, or Bireh-jik, ⊂ in Urfah, A. Minor, on Euphrates; caravan trade, ⚘, 10,000 inh.

Birbhum, distr. of Bardwan, Bengal, Brit. Ind., 1,344 s.m., 700,000 inh. Chf. ⊙, B.

Birbul, v. Beerbul.

Birch, Eng. name of trees & shrubs of ✱ gen. *betula*. 2 sp. wild in Brit., common B. *betula alba*, & dwarf B. *betula nana*. Mahogany, sweet, or cherry B. is *betula lenta*: leaves used instead of tea. Canoe Birch is *B. papyracea*.

Birch-oil, oil from bark of birch, used in preparation of Russia leather.

Birch, 1] Thos., ♛ & biog. ✓, * 23/11 1705 London, † 9/1 66, bequeathed libr. to Brit. Mus. **2]** Dr. Sam., Ψ, numis., & ethn. ✓, * 3/11 1813 London, assistant-keeper of antiqs. in Brit. Mus. 44, keeper 61, † 27/12 85.

Birch-Pfeiffer, Charlotte, ♀ & ✓, * 28/6 1800 Stuttgart, joined stage 13, † 24/8 68 Berlin.

Bird, 1] Edw., Eng. ☻, * 1772, † 1819. **2]** Dr. Golding, zool., ✱. & scient. ✓, * 1815, † 54. **3]** Robt. M., Amer. nov. & ♀ ✓, * Newcastle, Del., 1803, † 54. "The Gladiator."

Bird of Paradise, ornith., bird of ord. *passeres* and fam. *paradiseidæ*, New Guinea, 34 specs.

Birdlime, glutin. veg. prodt. obtnd. from inner bark of holly & berries of mistletoe; used for snaring birds.

Birds, zool., *Aves*, class of *vertebrata*, second in scale of anim. life, warm blood, heart of 2 auricles & 2 ventricles, oviparous, feathered, bones genlly. devoid of marrow, wingd., horny beakd., no teeth, genlly. 4-toed, never more, gullet genlly. dilated into "crop," grinding of food effected in "gizzard," no eyelashes, eyes provided with "nictitating membrane." Divsns.: (Huxley) *Carinatæ*, having a keeled breast-bone; *Ratitæ*, having raft-like breast-bone; *Saururæ*, having lizard tails. Divsns. of sub-class *carinatæ*: *Passeres* 5,700 sp., *picariæ* 1,600 sp., *psittaci* 400 sp., *strigæ* 180 sp., *accipitres* 330 sp., *steganopodes* 60 sp., *heroditiones* 130 sp., *odontoglossæ* 8 sp., *palamedeæ* 3 sp., *anseres* 180 sp., *columbæ* 355 sp., *pterocletes* 15 sp., *gallinæ* 320 sp., *opisthocomi* 1 sp., *hemipodii* 24 sp., *fulicariæ* 150 sp., *alectorides* 60 sp., *limicolæ* 250 sp., *gaviæ* 130 sp., *tubinares* 100 sp., *pygopodes* 65 sp., *impennes* 20 sp., *cryptiuri* 40 sp. Divsns. of sub-class *ratitæ*: *apteryges* 4 sp., *casuarii* 10 sp., *struthiones* 4 sp. *Saururæ* are known only in form of the extinct *archæopteryx*. Owen in 1866 made 6 ords., *natatores, grallatores, rasores, cantatores, volitores, & raptores.*

Bird's-eye, 1] ⚘, *Veronica chamaedrys.* 2] ⚘, B.'s-eye primrose, *primula farinosa.* 3] ⚘ *Adonis,* esp. *A. autumnalis,* or pheasant's-eye. 4] Tobacco so cut up as to show sections of leaf-stalks.

Bird's-foot, ⚘, *ornithopus,* a sp. common in Brit.; seed-pods resembling birds' feet.

Bird's-tongue, ⚘, 1] *Stellaria holostea.* 2] *Anagallis arvensis,* scarlet pimpernel. 3] *Acer campestre,* the maple.

Bireme, anct. galley with 2 banks of oars.

Biren, *v.* Biron.

Birgus, zool., gen. of *crustacea,* incldg. *b. latro,* thief- or purse-crab of Amboyna.

Birkbeck, 1] Geo., ⚷ & philan., * 10/1 1776 Settle, † 1/12 1841 London, fnded. Birkbeck Institute 27. 2] Edw., polit. & philan., * 1838. M.P. Norfolk 79. originator of International Fisheries Exhibition 83.

Birkenfeld, principality of Oldenburg, in Rhine provs., 89,000 inh. Chf. ⊙, B., 2,600 inh., castle.

Birkenhead, ⚓ ⊙ Cheshire, on Mersey, opp. L'pool., ship bldg., 83,500 inh. Rets. 1 memb. Parlt.

Birkenhead, Sir J., Eng. misc. ✓, * 1615, † 79, establd. *Mercurius Aulicus* 42.

Birket-el-Keroun, anct. ◯, Lake Mœris, prov. Fayoum, Midd. Egypt; crescent form, 30 m. × 5 m.

Birket-el-Mariout, anct. ◯, Lake Mareotis, S. of Alexandria, Egypt, 30 × 15 m.

Birks, Rev. Thos. Rawson, ✝ ✓, * 1810, prof. of mor. theol. & ⁂ Camb. 30/4 72, † 19/7 1883.

Birlinger, Aut., philol. & Ψ, * 14/1 1834, prof. at Bonn 72. ✓.

Birma, *v.* Burmah.

Birmingham, ⊙ N.W. Warwickshire, Eng., hardware, machinery, jewellery; town-hall 1850, free library 61, grammar school 1552, Queen's Coll., Sir J. Mason's Sc. Coll., statues, parks, 427,500 inh. Riots 1791, Priestley's ho. burnt. Rets. 7 membs. Parlt.: Cent., N., S., E., W., Bordesley, Edgbaston.

Birnam Hill, Perthsh., Scot., on S. side of Dunkeld. Dunsinane lies to S.E.

Biron, or Biren, origly. Buhren, 1] Ern. J. v., dk. of Courland, * 1687, favourite of Emp. Catherine of Russ.; cruel; bansd. to Siber. 1740, recalld. & restord. 41, abdicd. 69, † 28/12 71. 2] His s. Peter, * 15/2 1724, reignd. 69–95, when Courland was annexed to Russ., † 16/1 1800.

Biron, 1] Arm. de Gontaut, Bar. de, Fr. marsh., * 1524, commr. at ⚔ Arques, † 1592 siege of Epernay. 2] Arm. L. de Gontaut, duc de, duc de Lauzun, Fr. marsh., * 1747, conqd. Corsica & Senegal, deft. by Aust. 92, guillotined 1/1 94.

Birr, or Parsonstown, ⊙ King's co., Ireld., besieged 1642 & 50, 7,000 inh.

Birth-wort, ⚘, Eng. name for gen. *aristolochia.*

Bis, ♅, to be repeated; encore; a second time.

Biscara, ⊙ Algerian Sahara, 1,800 inh.

Biscay, or Vizcaya, old Basque prov. of Sp., incldg. mod. provs. of Biscay, Guipuzcoa, & Alava. Area of mod. prov. of B. 1,200 s.m., 190,000 inh. Chf. ⊙, Bilboa. Bay of B. lies to the N., washes W. of Fr., extends from Ushant to Cp. Ortegal, receives Adour, Charente, Loire, Gironde ⚓s; isles, Belle-isle, Rhe, Oleron; stormy; 20–200 fathoms.

Bisceglia, ⚓ ⊕ Terra di Bari, Ital., on Adriat.; bpric., cathed., 22,000 inh.

Bischof, Karl Gust., ⚗ & ⊕, * 18/1 1792 Nuremberg, † 30/11 1870. ✓.

Bischoff, 1] Geo. F., ♅, * 21/9 1780. † 7/9 1841. 2] Theo. L. W., anatomist & physiologist, * 28/10 1807 Hanover, prof. at Munich 55.

3] Conr., rom. ✓, * 9/8 1828.

Bischoffwerder, J. Rud. v., Pruss. statesm., * 1741, † 1803.

Bischweiller, ⊙ Alsace, on Moder, 7,000 inh.

Biserta, ⚓ ⊙ Tunis, on Meditor., 5,000 inh.

Bishareen, name of sev. tribes of Arabs betw. Nile & Red S.; N. of the Hadendowas.

Bisho, Jap. art. in lac, 16th cent.

Bishop, a supr. offr. of Christ. Ch. having spirit. supervision of a diocese. In Eng. Ch. nominated by Crown, in Rom. Ch. by Pope. B.s of Ch. of Eng. addressed "My Lord." Style, "The Rt. Rev. the Ld. Bp. of ——."

Bishop, Sir Hy. Rowley, ♫ composer, * 18/11 1786 London, prof. at Oxford 48, knightd. 42, † 30/4 1855.

Bishop's-leaves, ☘, *scrophularia aquatica*, water figwort.

Bishop's Stortford, ⊙ Hertfordshire, 6,750 inh.

Bishop's-weed, ☘, *ægopodium podagraria*, gout-weed, or bishop's-elder.

Bishop's-wort, ☘, 1] *Stachys betonica*, betony. 2] *Nigella damascena*.

Bishop Auckland, ⊙ Durham, 11,700 inh.

Bismarck-Bohlen, Fd. Alex., Ct., cousin of Prce. B., Pruss. genl., * 25/6 1818, Governor of Alsace 70–71.

Bismarck-Schönhausen, 1] Otto, Ed. Leop., Prince v., Germ. statesm., * 1/4 1815 Schonhausen, educd. Gottingen, enterd. Landtag 47, deput. of Bundestag 51, Amb. to St. Petersburg 59, to Paris 62, For. Minister of Pruss. 24/9 62, Chancellor of the N. Germ. Bund 67, Reichskanzler 71, prince 22/3 71, presdt. Berlin Congress 78. Attempts on his life, by Blind 7/5 66, by Kullmann 13/7 74; m. 28/7 47 Johanna v. Puttkamer.

2] Their child., Marie, * 21/8 48, m. Ct. Rantzau.

3] Herbert, * 28/12 49, Germ. For. Min. 85. 4] Willm., * 1/8 52.

Bismillah, Arab. = in the name of God!

Bismuth, metal chfly. fnd. in metal. state in var. rocks; crystalline, brittle, reddish-white, melts at 476°, burns with bluish flame, dissolves in diluted nitric acid.

Bisnaghur, Bijayanagar (*q.v.*).

Bison, zool., gen. of ruminants of fam. *bovidæ*, or oxen, with large heads, humps, & manes. European B., *bison priscus*, the *bonassus* of Aristotle & *bos bison* of Linnæ. Aurochs = bison in ord. lang., but is *bos urus* or *b. primigenius*. Amer. B., *B. americanus*.

Bissagos, or Bijuga Isles, grp. of *ca.* 20, off W. Afr., nr. mth. of Rio Grande. Bissau, Port. settlmt.

Bissen, Willm., Dan. ✍, * Silding 1798, pupil of Thorwaldsen.

Bissextile, leap year; v. Calendar. Literally, contg. 2 sixth days in the Kalends of the same month: containing an intercalary day.

Bistort, snake-weed or adder's-wort (*q.v.*).

Bistoury, a small surg. knife of various shapes.

Bistre, transp. brown pigment from beech-soot.

Biswa, superf. meas., N.W. Provs. of Ind. = 20 biswansis = 151·25 sq. yds.

Biterolf, Germ. minnesinger at court of Hermann of Thuringia.

Bithynia, anct. ○, divsn. of As. Min., now pt. of Anatolia, on Black S. & Sea of Marmora. Govnd. by Pliny the younger under Emp. Trajan.

Bitonto, ⚲ prov. Bari, Ital.; bpric., cathed., 25,000 inh.

Bitsche, or Bitche, ⊙ ⊙ Alsace, on N. slope of Vosges, on Schwalbe. Fr. 1738, surrend. to Germ. 1871, 3,000 inh.

Bitter, K. Herm., Pruss. statesman, * 27/2 1813, Finan. Min. 79–82. ♫ ✓.

Bitter-apple, B.-cucumber, or B.-gourd, colocynth, ☘, *citrullus colocynthis*.

Bitter-spar, Pearl, or Brown Spar, ⊕ compd. of carbonates of calcium & magnesium, in cryst. form resembling calcite; faces of crysts. often curved; lines cavities in dolomite.

Bitter-sweet, or Woody Nightshade, ♣, *solanum dulcamara*, straggling peren. shrub common in Eng. hedges: flower like that of potato.

Bittern, ornith., the gen. *botaurus*, usly. spottd. or stripd., 3 sp. in Brit.: common B., *B. stellaris;* Little B., *B. minutus;* American B., *B. lentiginosus.*

Bitumen, ⊕, asphalt, or asphaltum.

Bitzius, Alb. ("Jer. Gotth."), Swed. folklore ✓, * 4/10 1797, † 22/10 1854.

Bivalves, shell-fish havg. shells of 2 valves, zool. *lamellibranchiata*, *e.g.* oysters, mussels.

Bixio, 1] Jacq. Alex., Fr. ⚒, * 1808, † 1865, agri., pol., & zool. ✓. 2] Nino, Ital. ⚓ & patr. und. Garibaldi, * 1825 Genoa, memb. Ital. parliament.

Bizari, P., Ital. poet. & ♛ ✓, * 1530, patrd. by Mary Q. of Scots.

Bizet, the upper faceted part of a brilliant diamond, cut into 32 facets.

Bizet, Georges, ♫ composr., * 25/10 1838 Paris, † 3/6 75. *Carmen.*

Bjelostok, or Bialystok, Russ. ⊙ on Biala, castle, 37,000 inh.

Björnson, Bjornstjerne, Norw. ✓, ⊙, lyr., &c., * 8 12 1832 Kvikne.

Björnstjerna, Magn., Swed. statesm. & ♛, * 1779, † 1847, Min. to London 27. ✓.

B.L., Bachelor of Laws.

Blaas, 1] K. B. v., ●, * 23/5 1815 Nauders. 2] His son Eug., genre ●, * 24/8 43 Albano.

Blachford, Fred. Rogers, Baron, * 31/1 1811, Permanent Under Secretary for the Colonies 60–66, 68–71, created peer 71.

Black, 1] Jos., ⚗, * 1728 Bordeaux, † 26/11 99 Edinburgh, disc. latent heat, prof. of ⚗ Edin. 66. 2] Willm., rom. ✓, * 1841 Glasgow "Madcap Violet," "Sunrise." 3] Adam, publr., * 1784 Edinburgh, issd. "Encyclopædia Britann." † 21/4 1874. 4] John, journ. & misc. ✓, * 1783, † 1855, editor *Morning Chronicle* 23–44.

Black Alder, ♣, 1] *Rhamnus frangula.* 2] *Alnus nigra.*

Black Assize, Oxford 1577, outbreak of gaol fever: 510 people, incldg. many lawyers & justices & a Baron of the Exchequer, died.

Black-beetle, pop. Eng. name for cockrch., an orthopterous insect.

Black-bonnet, reed-bunting, ornith., *emberiza schœniculus.*

Black-cap, ornith., 1] B. warbler, *curruca atricapilla.* 2] Marsh titmouse, *parus palustris.* 3] Great tit, *parus major.* 4] Black-headed gull, *larus ridibundus.*

Black Death, a pest. wh. devastated Eng. 1348–9, 1361–2, & 1369; carried off half population.

Black Fish, zool., *centrolophus pompilus*, Brit. fish of mackerel family.

Black Forest, Schwarzwald, anct ⊙, Hercynia Silva, ▲ distr. in Baden, Wurtemberg & Hesse, betw. Rhine & Danube; ⊕s & min. springs; clocks, musical boxes, cattle.

Black Friars, Dominicans, or Preaching Friars, or, in Fr., Jacobins. At dissol. of monasts. there were 58 of their houses in Eng. & Wales.

Black Friday, 1] day of finan. panic in Lond. 11/5 1866. 2] Day of alarm in Lond. on approach of Pretender 6/12 1745.

Black Gum, ♣, sourgum, pepper-ridge, or tupelo, *nyssa villosa*, common in U.S.A.; hard wood.

Black Hole of Calcutta. On 20/6 1756, Suraj-ul-Dowlah, Nawab of Bengal, thrust 146 Brit. captives at C. into a room 20 ft. sq. In the night 123 died.

Black Jack, 1] ⚒, blende, a var. of zinc sulphide. 2] A leather jug. 3] Ground caramel. 4] A prep. of tobacco.

Black-lead, ⊕, graphite or plumbago (*q.v.*).

Black Monday, Easter Monday; from the sufferings of the Eng. army before Paris 14/4 1360.

Black Prince, name for Edw., eld. s. of Edw. III. of Engld. * 1330, † 1376; *v.* Edward.

Black Pudding, blood sausage.

Black Rod, Gentleman Usher of the, an offr. of H. of Lords, corresponding to Sergeant-at-Arms in H. of Commons; cl.f. gent. usher to sovereign; summons Commons to Uppr. Ho.; arrests peers guilty of brch. of priv.; carries black wand.

Black Sea, or Euxine, inland sea betw. Eur. & As., S. of Russ. & E. of Eur. Turkey, 700 × 400 m., 181,000 s.m. ⚓s Danube, Dniester, Don, Bug, Kuban. ⚓ ⊙s Odessa, Batoum, Kherson, Eupatoria, Sebastopol, Trebizond, Varna, Sinope.

Black Snake, the Amer. *coluber constrictor*, bite harmless.

Blackberry, fruit of common bramble, ✱ *rubus fruticosus*.

Blackbird, ornith., *turdus merula*, called also ring-ousel, merle-ousel, garden-ousel; common Brit. bird. Eggs pale blue-green w. dark markings.

Blackburn, 1] Colin, Lord, ⚖, * 1813, judge of Q.'s Bench 59–76, Ld. of Appl. in Ord. 76.
2] Henry, art crit., * 15/2 1830. "Academy Notes."

Blackburn, ⊙ Lancash., Eng., cotton manf., 105,000 inh., returns 2 membs. Parlt.

Blackburne, Fras., Ir. ⚖ & judge, * 1782, Ld. Chanc. of Ireld. 52 & 66–67, † 1867.

Blackcock, ornith., black-grouse, black-game, or heather-cock, *tetrao tetrix*, common in Scot.; eggs yellow-grey with red-brown blotches.

Blackheath, ⚔ 22/6 1497. Cornish rebels deftd. by Henry VII.

Blackie, John Stuart, philol., * July 1809 Glasgow, prof. of Lat. Aberdeen 41, of Grk. at Edinburgh 50, poet. & misc. ✓.

Blackley, Rev. W. L., political economist, †, & biographical ✓, * *ca.* 1813.

Blacklock, Thos., poet. ✓ & Scot. †, * 1721, † 91: blind.

Blackmore, 1] Rich. D., Eng. nov. ✓, * 1825 Longworth. "Lorna Doone." 2] Sir Rich., Eng. ⚕ & poet. ✓, * 1650, † 1729.

Blackpool, ⚓ ⊙ Lancash., on est. of Ribble, bathing-place, piers, parade, 14,500 inh.

Blackstone, Sir Willm., Eng. ⚖, judge, & ✓, * 10/7 1723, † 14/2 1780. "Commentaries on the Laws of England" 65.

Blackthorn, or Sloe, ✱, *prunus spinosa*, wild in Brit.

Blackwater, name of ⚓s in Essex, Cork, & Armagh.

Blackwell, 1] Dr. Elizabeth, first woman ⚕, * 3/2 1821 Bristol, grad. New York 49. 2] Geo., Eng. R.C. †, * 1545, apptd. archpriest in Eng. 1598, supersed. 1603, † 12.

Blackwood, 1] Sir Hy., Brit. ⚓ offr., s. of Baroness Dufferin, * 1770, capt. of *Euryalus* at ⚔ Trafalgar, rear-adm., † 1834. 2] Willm., publr., * 1776 Edinburgh, estabd. *B.'s Magazine* 1817, † 1834.

Bladder, in anat., *vesica urinaria*, a muscul. membranous pouch, reservoir of urine in hum. beings & quadrupeds, communicates with kidneys by the ureters, & opens externally by means of the urethra. Composd. of 3 coats, serous, muscular, & mucous; *v.* Urinary Organs.

Bladder-fern, ✱, Eng. name of fern gen. *cystopteris*: 2 Brit. sp., brittle & mountain.

Bladder-nut, ✱, *staphylea*.

Bladder-senna, ✱, Eng. name of gen. *colutea*; leaves are a subst. for the drug senna.

Bladderwort, ✱, Eng. name of *utricularia*, gen. of *scrophulariaceæ*, w. sm. bladders at margs. of leaves.

Bladensberg, villg. on Potomac, U.S.A., ⚔ 24 8 1814, Amers. defeated by British.

Blades, Willm., English typographer & ✓. * 1824. "Life of Caxton."

Bladud, Brit. myth. king, fnder. of Bath, father of Lear.

Blaeberry, bilberry, whortleberry (*q.v.*).

Blaenavon, ⊙ Monmouthsh., 9,500 inh.

Blaev (Cæsius), Dutch fam. of typog. & schols. **1]** Willm., math. & ○, * 1571, † 1638. **2]** His son Joan, * 1600, † 73.

Blaine, Jam. Gillespie, Amer. statesm., * 31/1 1830 Penn., U.S.A., republican, Sec. of State 81, unsuc. candidate for Presidency 85.

Blainville, H. M. Ducrotay de, Fr. nat. ☙ ✓, * 1777, prof. of comp. anat. in Coll. of Fr. 1832, † 1850.

Blair, 1] Hugh, Scot. † & rhet., * 7 4 1718 Edinburgh, † 27/12 1801, "Sermons," "Lectures." **2]** Robt., Scot. † & poet. ✓, * *ca.* 1700 Edinburgh, † 4/2 1746. "The Grave." **3]** F. Preston, Amer. polit., * Abingdon, Va., 12/4 1791. ✓. † 18/10 76. **4]** His s. F. Preston, Amer. polit. & ⚔, * 19/2 1821 Lexington, Ky., † 8/7 75. **5]** His brother, Montgomery, Amer. ⚖ & polit., * 10/5 1813. Postmaster-General 61–64, † 27/7 87.

Blair Athole, villg., Inverness-shire, Scot., on Tilt & Garry; fine scenery.

Blairgowrie, parish in Perthshire, Druid. remns., fine scenery.

Blaize, Ange, Fr. journ. & biog. ✓, * 28/12 1811 St. Malo.

Blake, 1] Robt., Brit. adml., * 1598 Bridgewater, † 17/8 1657 off Plymouth; ⚔s: Malaga 51, Straits of Dover 19/5 52, Downs 28/9 52, Goodwins 29/11 52 deftd., Channel 20–21–22/2 53, 3–4/6 53, Tunis 55, Santa Cruz 20/4 56. **2]** Willm., ●, engraver, & poet. ✓, * 28/11 1757 London, † 12 8 1828. **3]** John, Amer. † & misc. ✓, * 1788, † 1857. "Family Encyclopæd." **4]** Joachim, Sp. genl. of Ir. descnt. * *ca.* 1768, † 1827. **5]** Dr. Thos. Willm. Jex, * 26/1 1832 London, hd.-mastr. of Rugby 74. ✓.

Blakelock, Rev. Ralph, math. ✓, * *ca.* 1805.

Blakeney, Sir Edw., Brit. field-marsh., * 1778, col. 1814, genl. 54, f.-m. 62, † 2 8 68.

Blanc, 1] Lud. Gottf., critic, * 19/9 1781 Berlin, † 18 4 1866 Halle. **2]** J. J. Louis, ✓ & soc. polit., * 28/10 1813 Madrid, † 6/12 1882 Cannes. **3]** Aug. Alex. P. C., Fr. art critic, * 15/11 1813., † 18/1 82.

Blanc, Mont, highest ▲ in Europe. betw. Fr. & Ital., nr. Sw. front., 15,781 ft.; first ascent by Paccard & J. Balma 1786.

Blanchard, 1] Nich. Franç., or Jean Pierre, aeron., * 1753 Petit Andely, crossed Channel 85, † 7 3 1809. **2]** H. Louis, ♪, * 7/2 1778 Bordeaux, † 18/12 58 Paris; operas, vaudevilles. **3]** Laman, Eng. ✓, * 1803, † 45. **4]** Edw. Leman, journ. & ☽ ✓, * 11/12 1820; pantomimes.

Blanche de Bourbon, Q. of Castile, & w. of Peter the Cruel, * 1338, † 61.

Blanche de Castile, dau. of Alphonso IX. of Castile & w. of Louis VIII. of Fr., beaut. & witty, * 1187, † 1252.

Blandford, ⊙ Dorsetsh., on Stour, partly destroyed by fire 1676, 1713, 1731; 3,600 inh.

Blandin, P. F., Fr. ☤ & surg. ✓, * 1798, † 1849.

Blane, Sir Gilb., Scot. ☤ & physiol., * 1749, phys.-in-ord. to Geo. IV. & Will. IV., † 1834.

Blangini, G. M. M. F., ♪ composer, * 1781 Turin, † 1841 Paris.

Blank Verse, verse without rhyme; only kind known to anct. Grks. & Roms., & until Midd. Ages. Blank verse was revived in 15th cent. First Eng. blank verse was Lord Surrey's trans. of 1st & 4th Books of "Æneid," *ca.* 1545.

Blankenburg, ⊙ Brunswick; castle, 5,150 inh.

Blanqui, 1] Jer. Ad., Fr. polit. econ. ✓, * 28/11 1798 Nice, † 28/1 1854 Paris. **2]** Louis Aug., communist, * 1805 Nice, † 2/1 1880.

Blaps, entom., gen. of beetles, incldg. *B. mucronata*, common in kitchens; *B. mortisaga*, churchyard beetle.

Blarer (Blaurer), Ambros., reformer, * 1492 Constance, † 1564 Winterthur. ✓.

Blarney, villg., Cork co., Ireld., castle. B. stone, near top of cast., is said to confer persuas. eloquence on those who kiss it.

Bläser, ♫, * 9/5 1813 Dusseldorf, † 20/4 74 Cannstatt.

Blasius, or Blaise, St., bp. of Sebaste, 4th cent., Christ. mart., patron of wool-combers: 3/2.

Blast-furnace, furnace into wh. a current of air is art. introded. to assist supply of oxygen.

Blastema, the formative material of animals.

Blattidæ, entom., fam. of insects of ord. *orthoptera*, incl. cockroach, *blatta orientalis*.

Blaurer, *v.* Blarer.

Blaze, 1] Franç. Castil-, ✓, * 1/12 1784 Cavaillon, † 11/12 1857 Paris. "L'Opera en France." **2]** His s. Henry, ✓, * 1813 Avignon.

Blazonry, art of delineating devices in propr. cols. or metals on armorial shields.

Bleaching, process of freeing cloths, &c., from nat. colour & whitening them. By actn. of sun's rays; with chloride of lime or bleaching powder; with sulphurous acid.

Bleak, ichth., Brit. river fish, *leuciscus alburnus*, of fam. *cyprinidæ*.

Blechnum, ✿, hard-fern, gen. of ferns of ord. *polypodiaceæ*.

Bledsoe, Alf., Amer. math. & misc. ✓, * ca. 1808, prof. of math. Univ. of Virginia 53–61., † 1/12 77.

Bleek, 1] Fried., Germ. ✝ & crit. ✓, * 4/7 1793 Ahrensbok, prof. of ✝ at Bonn, † 27/2 1859. **2]** Will. H. Imm., philol., * 8/3 1827 Berlin, † 17/8 75. "Comp. Gram. of S. Afr. Langs."

Bleibtreu, Geo., ✕ ●, * 27/3 1828 Xanten.

Blende, ⚒, an ore of zinc, calld. also Black Jack; Eng., Eur., & U.S.A.; a sulphide of zinc in cryst. forms derived from cube & octahedron, sometimes yellow or colourless, generally dark.

Blenheim, or Blindheim, villg. Bavar., Brit. & Austr. vict. ✕ 13/8 1704. For the vict., the Brit. commander, the dk. of Marlborough, was given B. House & manor of Woodstock, Oxon., with perp. pens. of £4,000 a year.

Blennerhasset, Herm., Eng. adventr., * 1767, implicated with Aaron Burr in designs on Sp. Amer.; acquitted; † 1831 Guernsey. B. Isle, in Ohio, named after him.

Blenny, ichth., Eng. name of sea-fish of gen. *blennius*.

Bles, H. ("Civetta"), Flem. landscape ●, * 1480, † 1550.

Blesbock, the S. Afr. antelope, *gazella albifrons*.

Blessen, Germ. ✕ ✓, * 27/5 1790 Berlin, † 20/1 1861.

Blessington, Margaret, Ctess. of, *nee* Power, * 1/9 1789 Knockweit, m. (1) Capt. Farmer, (2) Earl of Blessington; friend of Count d'Orsay; † 4/6 1849 Paris; misc. ✓. "Conversations with Lord Byron."

Blicher, S. Steensen, Dan. rom. ✓, * 1782, † 1848; translted. "Vicar of Wakefield," and Ossian.

Blidah, ⊕ Algeria, occupd. by Fr. 1837; 15,000 inh.

Bligh, 1] Willm., Brit. adml., * 1754, commnd. *Bounty* 87, crew mutinied & sent him adrift; commanded *Glatton* at ✕ Copenhagen 1801, † 1817. **2]** John, Brit. adml., * 1771, † 1831. **3]** Sir R. Rodney, Brit. adml., * 1737, present at relief of Gibraltar 1782, captd. by Fr. aft. gall. actn. 94, † 1821.

Blight, in agri. & horti., any disease of plnts produced by parasitic fungi, or even by insects.

Blind, Institutions for the. Hôpital des Quinze-Vingts, Paris, 1260; Liverpool Asylum, 1791; Edinburgh As., 1792; School for Indigent B., London, 1799; Glasgow Asylum, 1828.

Blind, Karl, polit., * 4/9 1820 Mannheim, fled to Belg. 49, to London 52. /.

Blind, Printing for the, inventd. by Valentine Hauy 1783, improved by Gall, Alstone, How, Lucas, Frere, Moon, Wait, & Braille. Bible printed in raised characters 1848 Glasgow.

Blind Fish, eyeless fish, *amblyopsis spelæus,* Mammoth Cave of Kentucky.

Blind-worm, or Slow-worm, zool., *anguis fragilis,* a snake-like lizard, *ca.* 1 ft. long, common in Europe, harmless; can stiffen its muscles & become rigid & brittle.

Blindheim, *v.* Blenheim.

Bliss, Philip, bibliog., * 1778, † 1857, edited "Athenæ Oxonienses."

Blister Fly, Span. fly, cantharis; entom., *lytta vesicatoria,* used in ℞ for raising blisters on skin, &c.

Bloater, a herring cured in smoke.

Bloch, Mark El., zool., * 1723 Anshach, † 6/8 99.

Block, Moritz, statist & econ. /, * 18/2 1816 Berlin.

Block-printing, printing from blocks instead of mov. type, invented *ca.* 593 in China.

Block Tin, impure tin in ingots.

Blocksberg, *v.* Brocken.

Bloemart, Abrah., Dutch ● & engraver, * 1567, † 1647. His sons, H., Ad., Fred., & Cornel., ●s.

Bloemfontein, cap. ⊙ Orange Free State, S. Afr., 2,600 inh.

Blois, cap. ⊙ Loire-et-Cher, Fr., on Loire; gloves, hosiery, hardware, wine, timber; bpric., cathed., castle, 18,000 inh.

Blomfield, C. J., Eng. † & Grk. schol., * 1786, bp. of Chester 1824, bp. of Lond. 1828, † 57. /.

Blondel, 1] or Blondian, Fr. *trouvère,* 12th cent., follower of Rich. I. of England. 2] Franç., Fr. dipl., math., & △, * 1617, † 86. /.

Blondin, pseud. of J. F. Gravelé, rope walker, * 1824, first crossed Niagara 30/6 59.

Blood, nutritive fluid wh. repairs tissues of anim. bodies; in all vertebrates it is red; in lower animls. colourless. Arterial B. is bright red; venous B. dark purple. Composed of (1) colourless liq., *liquor sanguinis,* (2) corpuscules, red & white. Red corps. in man $\frac{1}{3000}$ inch in diam., convey oxygen to tissues. White corps. have unknown functs. *Liq. sanguinis* is composed of water, albumen, fibrine, & cert. salts, & is nutritive.

Blood, Thos., colonel & conspirator, * *ca.* 1628 Ireland, attempfd. to steal crown jewels from the Tower 71, pardoned, † 24/8 1680.

Bloodhound, *canis familiaris,* var. *sanguinario,* the Scot. sleuthhound, about 28 in. high, pendulous ears, red-tan. Sev. vars., *e.g.* Cuban, African.

Bloodstone, 1] or Heliotrope, ●, deep green var. of jasper, spotted with red, contns. silica, oxide of iron, & clay. 2] Var. of hæmatite iron-ore used in gold burnishing.

Bloody Assizes, held by Judge Jeffreys 1685, after Monmouth's rebellion.

Bloomerism, a system of woman's dress invented by Amelia Bloomer, of New York, 1849, consisting of short skirt & loose trousers.

Bloomfield, Robt., Eng. poet. /, * 3/12 1766 Honington, † 19/8 1823. "The Farmer's Boy."

Blore Heath, Staffordsh., ⚔ 1459, Yorkists vict.

Blount, 1] Sir Hy., Eng. travlr. & /, * 1602, † 82. 2] John ("Blondus"), Eng. †, electd. archbp. of Cant. 1232, apmtmt. not confirmed by Pope, † 1248.

Blow, John, Eng. ♛ composer, * 1648, organ. of Westminstr. Abbey 95, † 1708.

Blow-fly, *musca vomitoria*, a fly wh. depos. eggs on flesh of anims. the common blue-bottle fly.

Blowpipe, instr. for driving blast of air or gas into a flame to increase its temperature; used in ⚗ analysis, &c.

Blowpipe Analysis, or A. in the dry way, ⚗, method of determining compos. of ⊕s, &c., by means of blowpipe, *e.g.* sodium gives yell. flame; potassium, lavender; calcium, red; strontium, lithium, crimson; barium, green. Other substs. give characteristic beads when heated with borax, &c.

Blücher, 1] Gebhard Lebrecht v., Prce. of Wahlstadt ("Marsh. Vorwärts"), Pruss. marsh., * 16/12 1742 Rostock, Swed., † 12/9 1819 Kirblowitz, took distingd. part in ⚔ Waterloo. 2] His grdsn., Gebh. Lebrecht, * 14/7 1799, † 8/3 1875.

Blue Beard (Sir Raoul), in old Fr. fable, hero who murd. his wives for their curiosity. Possibly taken from hist. of Gilles de Retz, Marq. de Laval, executed 1440.

Blue-bell, ❀, Eng. name of gen. *agraphis*, esp. of wild hyacinth, *agraphis nutans*. B. of Scotland, the round-leaved harebell, *campanula rotundifolia*.

Blue-berry, ❀, Amer. name for gen. *vaccinium*, incldg. bilberry.

Blue Bird, ornith., *sylvia sialis*, beaut. bird of Bermuda & S. states of N. Amer.

Blue Book, form in wh. Brit. govt. publs. dipl. & statist. information. In Fr., yellow; in Ital., green; in Austr., red; in Germ., white.

Bluebottle, 1] pop. name for the fly *musca vomitoria*. 2] ❀, wild hyacinth, *agraphis*; also, the cornbluebottle, *centaurea cyanus*, common in Brit.

Blue-breast, ornith., blue-throated warbler, *phænicura suecica*, native of Brit.

Blue Fish, Amer. sea-fish sim. to mackerel, *temnodon saltator*; horse-mackerel.

Blue Kite, ornith., ring-tailed harrier, *circus cyaneus*.

Blue Light, pyrotech., composition of saltpetre 9 lb. 10 oz., sulphur 2 lb. 6½ oz., red orpiment 11 oz., pressed into wood. cases & burnt for signalling at sea.

Blue Mountains, ⛰ S.E. Australia.

Blue Ointment, ℞, mercurial ointment.

Blue Peter, ⚓, blue flag with white sq. in centre; signal that ship is about to sail.

Blue Pill, pharm., *pilula hydrargyri*; composition of 2 oz. mercury rubbed w. 3 oz. confectn. of roses, & formed into mass with liquorice root; pills used to purge, & influence liver.

Blue Shark, the shark *carcharias glaucus*.

Blue-stocking, a pedantic woman, from the Venetian society *della Calza* 1400–1590, which was revived in Paris & in Eng. in 1780.

Blue-stone, or Blue Vitriol, ⚗, cupric sulphate, $CuSO_4.5H_2O$, used in dyeing, &c., poisonous.

Blue-throat, ornith., blue-throated redstart, *ruticella cyanecula*.

Blue Tit, ornith., *parus cæruleus*, B. tomtit, ox-eye, blue-cap, blue-bonnet, hick-mall, permanent in Brit., eggs reddish, spotted w. light red.

Blum, 1] Karl, ♪ singer & ♥ & ✍, * 1786 Berlin, † there 2/7 1844. 2] Robt., polit., * 10 11 1807 Cologne, servant in theatre, journalist, bookseller, democ. leader 48. 3] His s. Hans, ✍, * 8/6 41 Leipzig.

Blumauer, Aloys, satir. ✍, * 21/12 1757, † 16/5 1798 Vienna; travestied the "Æneid."

Blumenau, 1] Hung. villg., 1,000 inh., ⚔ 22/7 1866. 2] Germ. colony in Brazil, efnded. 1852 by Dr. B.

Blumenbach, J. Fried., Germ. zool. & comp. anat. ✍, * 11/5 1752 Gotha, † 22/1 1840.

Blumenthal, 1] Leonh. v., Pruss. genl., * 30/7 1810, commanded 3rd Army Corps 70.

2] Oscar, humor. & satir. ✓, * 13/3 1852 Berlin.

3] Jacob, pian. & ♫ composr., * 1829 Hamburg.

Blunderbuss, short hand-gun with large bore & bell mouth for discharging many balls, 17th cent.; now obsolete.

Blunt, John Hy., Eng. † ✓, * 1823 Chelsea, "Dict. of Doctr. & Hist. Theol.," † 11/4 84.

Bluntschli, J. Kasp., ⚖ & philol. ✓, * 7/3 1808 Zurich, † 21/10 1881 Carlsruhe.

Blüthgen, Vict., rom. ✓, * 4/1 1844 Zörbitz.

B.M., Bachelor of Medicine.

Bo-tree, corruption of Bodhidruma = tree of wisdom; under wh. Buddha sat when meditating.

Boa, zool., gen. of serpents, typ. of fam. *boidæ*, confined to Amer. The best known sp. is *boa-constrictor*, 30 ft. long, S. Amer.; used loosely of any large snake wh. kills its prey by crushing it.

Boabdil, Span. name for Abu Aballah, "el Chico," Moor. king of Granada 1482-92, deftd. & expelled by Ferdinand of Sp., † 93.

Boadicea, or Buddig, Brit. Q. of Iceni, wife of K. Prasutagus, opposed Romans, defeated betw. Lond. & Colchester, † by suic. 62.

Boar, zool., the uncastrated male of the swine, *sus scrofa*, or of any sp. of the gen. Wild in Eur., As., & Afr.

Boar Fish, ichth., *capros aper*, like the dory; 6 in. long; Mediterr.

Boas, Ed., crit. ✓, * 8/1 1815 Landsberg, † 12/6 53.

Boat, sm. open water-craft movd. by oars or sail. Man-of-war's B.s: launch, long-boat, barge, pinnace, yawl, all carvel-built; galley, gig, cutter, jolly-boat, dingy, all clinker built.

Boat-bill, ornith., *cancroma*, a gen. of true herons; bill like two spoons applied together. S. Amer.

Boatfly, entom., water-bug of gen. *notonecta*, wh. swims on its back.

Boatswain, a warrant offr. on board ships of Brit. ⚓; in charge of boats, sails, rig., colours, anchors, cables, & cordage. He inflicts punishmts. Also name for the Arctic skua gull, *cataractes parasiticus*.

Bobac, a burrowing squirrel, *arctomys bobac*; Russia.

Bobadilla, Francisco, Sp. knt. sent as commissner. to Hispaniola 1500, brought home Columbus in chains.

Bober, ⚓, Pruss. Silesia, rises in Riesengebirge, flows 140 m. to Oder ⚓, at Krossen.

Boberfeld, v. Opitz.

Böblingen, ⊙ Wurtemb., 4,500 inh., ⚔ 12/5 1525.

Bobolink, ornith., bird of starling fam. & sub. fam. *agelainæ*, common in N. Amer.; called also rice bird, reed bird, & rice troopial, & in W. Ind. butter-bird: *emberiza oryzivora* of Linn.

Bobrov, Semen Sergiewitch, Russ. poet. ✓, * *ca.* 1760, † 1810. "Khersonida" 1803.

Bobruisk, Russ. ⊕ on Beresina, 27,000 inh., besgd. by Fr. 1812.

Boccaccino, 1] Boccaccio, ●, * 1460, † 1518. 2] His s. Camillo, ●, * 1511, † 46.

Boccaccio, Giov., Ital. nov. ✓, * 1313 Paris, † 21/12 75 Certaldo; Greek scholar. "Decameron."

Boccage, 1] Mar. Anne Lepage, Fr. poet. & ☾ ✓, * 1710 Rouen, † 1802. 2] M. M. Barbosa de, Port. poet. ✓, * 1771, † 1806.

Boccale, Ital. liq. meas. = ½ to 1½ pint.

Boccalini, Traj., Ital. satir. ✓, * 1556 Loreto, † 16/11 1613 Venice.

Boccanera, Simone, 1st Doge of Genoa, elected 1339.

Boccherini, L., ♫ composer, * 19/2 1743 Lucca, † 28/5 1805.

Bocconia, ❦, gen. of poppy-worts, incl. tree celandine, W. Ind.

Bochart Sam., Fr. schol. & †, * 1599, † 16/5 1661. ✓.

Bochnia, Galic. ⊙ on Raba, 8,200 inh., salt ⚒.

Bocholt, ⊙ Westphal., on Aa, 8,600 inh., castle

Bochsa, R. Nich. C., composer, * 1789 Montmédi, † 1850 Sydney, Australia; harpist.

Bochum, ⊙ Westphalia, 33,500 inh., coal ⚒.

Bock, 1] K. Ern., anat., * 21/2 1809 Leipzig, † 19/2 74. 2] Jerome (Le Bouc), Germ. /, * 1498, † 1555.

Böck, J. Mich., ☾, * 1743 Vienna, joind. stage 62, † 18/7 93 Mannheim.

Bockenheim, ⊙ Nassau, 15,500 inh.

Böckh, Aug., philol. & Ψ, * 24/11 1785 Carlsruhe, † 3/8 1867. / "Corpus Inscriptionum Graecarum."

Böcklin, Arn., ☻, * 16/10 1827 Basle.

Bockum-Dolffs, F. H. G. v., Pruss. polit., * 18/2 1802, presdt. of Landtag 63.

Bocland, Ang.-Sax. ⚒, land held by book or charter, as distinguished from Folcland, or common property.

Bocskai, Steph., Hung. patr., * 1556, † 29/12 1606, king of Hungary 5–6.

Bod, Ind. myth., goddess of fecundity.

Bode, J. Elert, ✱, * 19/1 1747 Hamburg, † 23/11 1826 Berlin.

Bodelschwingh, 1] Karl v., Pruss. statesm., * 10/12 1800, Finan. Minist. 51–58, 62–66, † 10/5 73. 2] B.-Velmede Ern. v., Pruss. statesman, * 26/11 1794, minist. 42–48, † 18/5 1854.

Bodensee, or Lake of Constance, betw. Switz., Baden, & Wurtemb., 335 s.m., fed by ⚓s Rhine, Bregenz, emptd. by Rhine. ⚓s, Constance, Lindau, Bregenz, Arbon, Uberlingen, Meersburg, Buchhorn.

Bodenstedt, Fried. v., poet, nov. & ✆ /, * 2/4 1819 Peine. "Mirza Schaffy." Translator of Shakespeare; editor of *Tägliche Rundschau.*

Bodichon, Mme., *née* Barbara L. Smith, educationist, /, & ☻, * 8/4 1827.

Bodin, Jean, polit. & misc. /, * 1530 Angers, † 96 Laon.

Bodinus, Heinr., zool., * 29/7 1814 Drewelow, directr. of Zool. Gardens, Berlin, 69.

Bodle, anct. Scot. coin = ½d.

Bodleian Library, pub. libr. of Univ. of Oxford, restored & increased by Thos. Bodley 1597. Entitled und. Copyright Act to copy of ea. book pubd. in United Kingdom.

Bodley, Sir Thos., diplom., * 2/3 1544 Exeter, kntd. by Jam. I., † 28/1 1612, /; r. Bodleian Library.

Bodmer, J. Jac., /, * 19/7 1698 Greifensee, † 2/8 83 Zurich; opposed Fr. infl. in Germ. /.

Bodmin, ⊙ Cornwall, Eng., 6,900 inh.

Bodoni, J. Bapt., Ital. typog., * 16/2 1740 Saluzzo, worked at Rome & Parma, † 20/11 1813.

Böe, Francis Didier, Norw. flower & bird ☻, * 28/5 1820 Bergen.

Boece, or Boethius, Hector, Scot. ♛ /, * 1465 Dundee, † 1536 Aberdeen, 1st Princ. of King's Col., Aberdeen.

Boeck, r. Bock. The oe in this & some other names represents the German diphthong ö.

Boehm, Theob., flautist, * 1802 Munich, improved flute.

Boëmund, or Bohemond, Mark, crusader, * ca. 1065, s. of dk. Robt. Guiscard of Apulia, P. of Tarentum, † in Italy; fnder. of Christian principality of Antioch.

Boeotia, anct. ☾, dist. of Greece, now pt. of Attica; inhabs. rustic & reputed dull. ☾s, Thebes, Thespiæ, Haliartus.

Boerhaave, Herm., Dutch ♪, * 31/12 1668 Voorhout, † 23/9 1738. /.

Boers, lit. = peasants; Dutch settlers & their descendts. in S. Afr.

Boethius, r. Boece.

Boetius, Anic. Manl. Severinus, Rom. statesm. & ✍ /, executed

cz. 475. "De Consolatione Philosophiæ."

Bog, earthy district wanting in consistency, & gently. permeated with water that has no natural drain; espec. when a formatn. of veg. matter has been induced. This dies & is reproduced, forming a spongy mass of peat, often very thick. B. of Allen, a collection of bogs in King's & Kildare Cos., Ireland.

Bog Asphodel, ✿, Eng. name of gen. *narthecium*, of ordinary *juncaceæ*.

Bog-butter, or butyrellite, an acid hydrocarbon, cryst. in needles, solub. in alcohol; from peat bogs.

Bog Iron-ore, ⊕, variety of limonite, often enclosing wood, &c., in semi-fossil state.

Bog-oak, oak timber that has been long exposed to the action of peat bog around it.

Bog-orchis, ✿, *malaxis paludosa*, 4 in. high, with green spikes of flowers.

Bog-violet, or common butterwort, ✿, *pinguicula vulgaris*.

Bogardus, James, Amer. ⚙, * 1800 Catskill, N. York, invntd. 8-day chronom. clock, engraving mach., &c., † 74.

Bogatzky, K. H., Germ. † ✓, * 1690, † 1774. "Golden Treasury."

Bogdanovitch, Hipp. T., Russ. poet. ✓, * 3/12 1743 Perevolotchna, † 8/12 1803. "Dushenka."

Bogdo Oola, highest ▲ in Thian Shan ⛰, 20,700 ft.

Bogerman, J., Dutch †, translator into Dutch of Old Test., * 1576, † 1633.

Bögh, Erik, poetical, ✆, and humorous ✓, * 17/1 1822 Copenhagen.

Boggs, Chas. Stuart, Amer. ⚓ offr., * 28/1 1811, capt. 62, commod. 66, rear-adm. 70.

Bogoljubow, Alex., Russ. ⚓ ⚙, * 1824.

Bogos, Abyss. tribe, cattle carers.

Bogota, or Santa Fé de B., cap. ⊙, U.S. Columbia, S. Amer., nr. B. ⚲, 8,600 ft. ab. sea; soap, cloth, leather, metals; trade; cathed., univ., 42,000 inh.

Bogue, Dav., Scot. indep. †, * 1750, † 1825.

Boguslawski, 1] Adalb., Pol. ✆ & ✆ ✓, * 1752, † 1829. 2] P. H. L., Germ. ✎, * 1789, director of Observ. at Breslau 1831–43, discovered comet, † 1851.

Boha Ed-din, Abul-Hassan Yousef, Arab. ✍ ✓, * 1145, † 1232.

Bohea, or Wui, Hills, distr. in which best black China tea is grown.

Bohème, Bohemia, imaginary land inhabited by petty artists & hack-writers of loose habits & bad manners, *v.* Bohemians.

Bohemia, Bohmen, formerly indep. kngdm., now part of Austr.-Hung. monarchy, 19,983 s.m., 5,600,000 inh., betw. Sax., Silesia, Morav., Austr., & Bavar. ⛰s: Bohmerwald, Fichtelwald, Erzgebirge, Riesen, Schnee. *Products:* gold, silver, iron, tin, coal, flax, hops, wine, potatoes. *Manufs.:* glass, linen, wool, paper. *Mineral springs:* Carlsbad, Teplitz, Marienbad, Franzensbrunn, Bilin, Gieszhubel. Cap. ⊙, Prague. ⊙s: Budweis, Teplitz, Carlsbad, Königgratz, Pilsen. ✍: anct. inhabs. Boii, later Marcomanni; in 6th cent. Czechs; und. Pce. Samo 620; Germ. suzerainty 929; Dk. Boleslaw I. 935–67; Polish domin. 1003; Poles expelled 1004; union of B. with Morav.; Wratislaw II. 1061-92 king of B.; unitd. to Austr. 1526; revol. 1848.

Bohemians, 1] Gipsies, because the first seen in Fr. 1427 came from Bohemia. 2] Disorderly literary men & artists.

Bohemian Brethren, † sect origtd. from Hussites, Prague, 15th cent. Precursors of Moravians.

Bohemian Forest, or Bohmerwald, ⛰ betw. Bohem. & Bavaria. Chf. ▲s, Heidelberg 4,622 ft., Arber 4,582 ft.

Bohemian Garnet, ●, pyrope, a variety of garnet.

Bohemian Glass, clear crown glass; silicate of potash & lime; silica obtained from white quartz.

Bohemian Waxwing, or B. chatterer, ornith., *bombycilla garrula;* only spec. of fam. *ampelidæ* seen in Brit.

Bohemond, *v.* Boemund.

Böhme, Boehme or Behmen, Jacob, myst. † & ⚗, * 1575 Altseidenberg, Pruss., † 1624; a glovemaker, Gorlitz; claimed inspiration. ✓.

Böhmer, J. Fried., ♃ ✓, * 22/4 1795 Frankfort-o.-M., † 22/10 1863.

Böhmert, K. Vict., econ. ✓, * 20/8 1829 Quesitz, directr. Statist. Bureau, Dresden, 76.

Böhmerwald, *v.* Bohemian Forest.

Böhmischbrod, Bohem. ⊙ on Sembera, 3,850 inh. ⚔ 30/5 1434.

Böhmisch-Leipa, Bohem. ⊙ on Polzen, 9,400 inh.

Bohn, H. G., publisher, * 1796 London, publd. B.'s Libraries, &c., † 22/8 1884. ✓.

Bohnstedt, L., △, * 27/10 1822 St. Petersburg.

Bohrmann, Edw., poet. ✓ in Saxon dialect, * 14/4 1851 Leipzig.

Böhtlingk, Otto, orient. schol., * 30/5 1815 Petersburg, ✓, w. Roth, of Sanscrit Dict.

Bohusz, Xaver, Pol. ♃, ⚗ & Ψ ✓ & traveller, * 1746, † 1825.

Boiardo, or Bojardo, Mat.M., Ct. of Scandiano, Ital. poet. ✓, * 1434, † 1494. "Orlando Innamorato."

Boidæ, zool., fam. of *ophidia*, sub-order *colubrina*, having no poison-fangs. Chf. gen., boa, python, eryx.

Boie, H. Christ., ✓, * 19/7 1744, † 3/3 1806.

Boïeldieu, 1] Franç. Adr., ♛ composer, * 16/12 1775 Rouen, director of Paris Conserv. 1817, † 8/10 34. *La Dame Blanche.* 2] His s., Adr., ♛, * 3/11 1816 Paris, † 83.

Boies, Amer. Ind. myth., priests of savages of Florida.

Boiga, the tree-serpent, *ahætulla liocerus*, of Borneo.

Boigne, Benoit, Ct. de, Fr. adventurer, * 1741 Chambery, servd. Russ., Greece. Brit. in Ind., Scindia, formd. Scindia's army, retired 96, friend of Brit., † 1830.

Boiguacu, Amer. Ind. name for boa-constrictor.

Boii, anct. ○, powerful Celtic tribe of Gaul, wh. colonised N. Ital. & Bohemia. B. in Ital. conqrd. by Romans 191 B.C.

Boileau-Despreaux, Nic., Fr. poet. ✓, * 1/11 1636 Paris, † 13/3 1711. "Le Lutrin," "Art Poetique."

Boiling Point of liquids, temperature at which by ebullition they begin to pass into gas: is raised by increased pressure of air & lowered if press. be diminished. At sea-level water boils at 212°, mercury at 655°, sulphuric acid at 600°, camphor at 400°, oil of turpentine at 350°, volatile oils at *ca.* 300°, nitric acid at 210°, alcohol (sp. grav. .813) at 176°, acetic ether at 160°, ammonia at 140°, bi-sulphuret of carbon at 116°, sulphuric ether at 100°, prussic acid at 80°, and hydrochloric ether at 52°. At 15,000 ft. above sea, water boils at 178°.

Bois-durci, composn. of hard sawdust with blood, used for taking impressions of medals, &c.

Bois-le-Duc, or S'Hertogenbosch, ⊙ & ♚ Holland, cap. of prov. of N. Brabant; linen, wool, cutlery; cathed. 1366, 31,000 inh. ⚔ 12/11 1794, Brit. deftd. Fr.

Boisseau, Fr. meas. of capacity = *ca.* 2¾ galls.

Boisserée, 1] Sulpiz, art crit., * 2/8 1783 Cologne, † there 2/5 1854. 2] His brother, Melchior, * 23/4 1786 Cologne, † 14/5 1851 Bonn. The brothers made the collection of old Germ. ●s now in Old Pinakothek at Munich.

Boissy d'Anglas, Fr. statesm., * 1756, presdt. of Tribunate 1802, peer 1814, † 26. ✓.

Boivani, Hindu myth., goddess of destruction.

Bojador, Cape, W. coast of Afr., extrem. of the Jebel Khal ▲, which runs into the Sahara.

Bojana, ⚓ Albania, flows through L. of Scutari to Adriatic.

Bojar, Boyar, anct. Russ. title of nobility, surviving in Roumania.

Bojardo, v. Boiardo.

Bökel, or Buckelings, Willm., * Biervliet, † 1397, discovd. process of curing herrings.

Bokelmann, Luis, genre ●, * 4/2 1844 St. Jürgen.

Boker, Geo. Hy., Amer. poet. ✓, * 1824 Philadelphia. "Calaynos," "Lyrics of the War."

Bokhara, anct. ○, Sogdiana, or Mawaralnahr, country of C. Asia, in Indep. Tartary, 100,000 s.m., 1,800,000 inh., ruled by Khan; domt. race Usbegs; corn, silk, wine, fruit, cotton, tobacco, gold, salt, aluminium, sulphur. Cap. ⊙, B., 70,000 inh. Much und. Russ. influence since capt. of Samarcand 1868.

Bol, Ferd., ●, pupil of Rembrandt, * 1611 Dordrecht, † 81 Amsterdam.

Bolan Pass, in ▲s of Beluchistan, betw. Sind & Candahar, 55 m. long, 6,000 ft. at highest pt., occupied by Brit. 1876. R. to Quettah at head of Pass.

Bolas, weighted lasso used by S. Amer. Gauchos; one or more weights fastened to ends of a line.

Bolbocerus, entom., gen. of lamellicorn beetles with bulbous antennæ; 2 sp. are rare in Brit.

Bolbonac, or Honesty, ✿, *lunaria biennis*; Eng. gardens.

Bolchow, ⊙ govt. of Orel, Eur. Russ., on Nugra & Bolchowka, 16,000 inh.

Bole, ◆, clay, coloured with oxide of iron. Armenian B. is bright red, B. of Blois yellow, Bohemian B. yellow-red, French B. red w. yellow streaks. Formerly used as tonics in ℞, now as adulterants. B. Armoniac or B. Armenian, astringent earth from Armenia.

Bolero, Sp. dance in ¾ time, w. song & castanets.

Boleslaw, or Boleslas, I., "the Valiant," * *ca.* 970, 1st king of Poland 1001, † 1025. Also 4 kings or dukes of Poland.

Boletobius, entom., gen. of beetles of sect. *brachelytra*, common in Brit., found in decaying fungi.

Boletus, gen. of mushrooms, having und. surf. of cap formed of tubes instead of gills; on trunks of trees; strong stem; genrlly. poison. *B. edulis*, edible. One sp. used for tinder, another, as *agaric*, in ℞.

Boleyn, Bullen, or Bulleyne, Anne, 2nd Q. of Henry VIII. of Eng., * *ca.* 1507, secretly married 33, mother of Elizabeth 7/9 33, executed for treason 19/5 36.

Bolingbroke, Hy. St. John, Visct., wit & ✍, * 1/10 1678 Battersea, created peer 1712, Tory, attainted 15, pardoned 23, retired to Fr. 35, † 12/12 1751. ✓.

Bolivar, Simon, S. Amer. patr., * 24/7 1783 Caracas, freed Venezuela 1819, & New Granada from Sp. dominatn., presdt. of Venezuela, freed Peru 24, dictator of Peru 25, presdt. of N. Granada, resigned 29, † 17/12 30 San Pedro. Known as El Libertador; gave name to Bolivia, and to

Bolivar, one of the U.S. of Columbia, S. Amer., 35,000 s.m., 260,000 inh. Cap. ⊙, Cartagena, unhealthy.

Bolivia, or Upper Peru, repub. state of S. Amer., on Pacific O., Span. till 1824, liberated by Bolivar; 11 departmts. ⚒, agric. & commerce; gold, silver (Potosi), copper, lead, tin, salt, sulphur, timber. 481,600 s.m., 2,330,000 inh., chiefly of mixed race; Rom. Cath. Cap. ⊙, La Paz, 26,000 inh. ⊙s, Chuquisaca, Potosi, Tarija, San Pedro, Apolobamba, Santiago, ⚓ ⊙ Cobija. ♛, part of emp. of Incas, conqrd. by Sp. 1538, united

to Viceroyalty of Peru, created Viceroyalty 1780, declared indept. 1825, war with Chili 79, loss of territory.

Bolland, or Bollandus, John, Jesuit † & biog. ✓, * 13/8 1596, began "Acta Sanctorum" 1629, pubd. first 2 vols. 43, 3 more 58, † 12/9 65; work continued by

Bollandists, Jesuit Fathers of Antwerp, who, on initiative of J. Bolland, collected & pubd. the Lives of the Saints, 1643–1794.

Bologna, cap. ⊙ prov. of B., Ital., 118,000 inh., archbp., cathed., univ., leaning tower; silk, velvet, crape, soap, sausages.

Bologna, Giov. da, ⌂, * 1524 Douai, † 1608 Florence.

Bologna Phial, bulbous vessel of unannealed glass, may be broken by dropping into it a small splinter of flint.

Bologna Stone, ⊖, var. of barytes; heated with charcoal it is phosphorescent.

Bolognese School of ⌂, fnded. by Franco, 14th cent., includes Benozzo, Lippo Dalmasio, Francesco Francia, Bagnacavallo, Primaticcio, Nicolo dell' Abate, Pellegrino Tibaldi, Prospero Tontana, Passerotti, the Caracci, Domenichino, Albani, Guercino, Lanfranco, Guido, Cignani, &c.

Bolsena, Lake of, Cent. Ital., nr. Montefiascone, 70 s.m., drained by Marta ⅄ into Mediterranean.

Bölte, Amely, rom. ✓, * 6 10 1817 Rehue.

Bolton, ⊙ Lancash., Eng., cotton, iron, 110,000 inh., rets. 2 membs. Parlt.

Boltonia, ✱, gen. of plnts. of ord. *asteraceæ*, N. Amer.

Bolus, a pill; a large pill.

Boma, ⊙ N. bank of Congo, W. Africa.

Bomarsund, Russ. ⊕ on Aland Island, in G. of Bothnia, bombard. & destroyd. by Ang.-Fr. fleet 16/6 1854.

Bomb-shell, explosive ball of cast-iron, used for mortars, filled with powder & fired by a fusee; invented 1588.

Bomba, nickn. of Ferd. II., k. of Naples, in conseq. of his bombardment of Messina 1848. His s. Francis II. was called Bomba II. or Bombalino: bombarded Palermo 1860.

Bombaceæ, ✱, sect. of ord. *sterculiaceæ*.

Bombardier Beetle, Eng. name of predat. beetles of gen. *brachinus*, emits from anus an acrid vapour; 5 species in Brit.

Bombardon, 𝄢, brass wind instrument; tone like that of ophicleide.

Bombax, ✱, silk-cotton tree; type of sect. *bombaceæ*, of ord. *sterculiaceæ*.

Bombay, prov. of Brit. Ind., on W. coast, 188,195 s.m., native states occupying one-third. B. proper, 82,000 s.m. Inh. of prov. 16,500,000, chiefly Hindus. Govd. by Govr., council of 3, & legislat. council. Cap. ⊙, Bombay, 775,000 inh., port, trade, docks 200 acres, harb. 13 × 5 m. Other ports: Karachi, Karwar. ⊙s: Poonah, Surat. ⚓: Pt. of dowry of Infanta of Port. 1661, made over by Charles II. to E. Ind. Co. 1668.

Bombazine, twilled fabric of silk & wool, generally black.

Bombelli, Raph., Bologn. math. ✓, 16th cent.

Bombidæ, entom., fam. incldg. humble-bees.

Bombus, entom., gen. of *apidæ*, containing the humming-bees & humble-bees.

Bombycidæ, entomology, family of moths; several British genera.

Bombycilla, ornith., gen. of birds of fam. *ampelidæ*, incldg. Bohemian Waxwing.

Bombylidæ, entom., fam. of insects of ord. *diptera*, resembling humble-bees.

Bombyx, entom., gen. of moths. *B. mori*, the silkworm.

Bona, or Bone, anctly. Hippona, ⚓ ⊕ on Bay of B., Algeria; coral; 17,000 inh.

Bona fides, Lat. = good faith; *bonâ fide* = in good faith.

Bonaparte, or Buonaparte, fam. emigrated from Genoa to Corsica in 15th cent. **1]** Carlo, * 29/3 1746, ⚒ & supporter of Fr., † 24/2 85 Montpellier. **2]** His w. Mar. Letitia, *née* Ramolino, * 24/8 1750 Ajaccio, m. 67, creatd. Madame Mère 1804, † 2/2 1836 Rome. Their children: **3]** Joseph, * 7/1 1768, in Fr. army 96, Prce. & senatr. 1804, k. of Naples 06, of Sp. 08, expelled 12, lieut.-gen. of Fr. Emp. 14, presdt. of Counc. of Emp. 15, went to N. Amer. as Ct. de Survilliers, to Eng. 32, to Ital. 41, † 28/7 44 Florence; had 2 daughters wh. m. cousins. **4]** Napoleon, *v.* Napoleon I. **5]** Lucien, * 21/3 1775 Ajaccio, minister & ambass. und. the Consulate, senatr. 1803, exiled for a misalliance 04, prisoner in Eng. 10–14, created Pce. of Canino by the Pope 14, Fr. prce. & peer 15, † 30/6 40 Viterbo, ✓; had 5 s. & 6 daus. **6]** Louis, * 2/9 1778, govr.-genl. of Piedmont 1805, k. of Holland 06, abdicated 10, † as Ct. de Leu 25/7 46 Leghorn. ✓. **7]** Jerome, * 15/11 1784 Ajaccio; in N. Amer. 1802–5, k. of Westphalia 07, expelled by Russ. 30 9 13, peer 15; as Prce. de Montfort to Aust. & Ital., govr. of the Invalides, Paris, 48, marshal 50, † 24/6 60. ✓ Memoirs. **8]** Mar. Anne (Elise), * 1777, m. Bacciochi (*q.v.*), Press. of Lucca & Piombino, † 1820. **9]** M. Pauline, * 1780 Ajaccio, m. (1) Genl. Leclerc 97, (2) P. Camillo Borghese 1803, created Dchess. of Guastalla 06, † 25 Florence. **10]** M. Caroline, * 1782 Ajaccio, m. Joachim Murat (*q.v.*) 1800, † 39 Florence. **11]** Charles Lucien, s. of **5**, * 24/5 1803 Paris, vice-pres. of Constit. Ass. 49, † 29/7 57 Paris; zool. ✓, father of Card. Lucien B., * 1828. **12]** Paul Marie, s. of **5**, * 1808 Rome, ⚓ offr., † 27 Nauplia. **13]** Louis Lucien, s. of **5**, * 4/1 1813 Thorngrove, nat. ♛ & philol. ✓, Fr. senator 52. **14]** Pierre Napoleon, s. of **5**, * 11/10 1815, condemned to death in Ital. for murd. 36, pardoned, killed Victor Noir 70, acquitted 27/3, † 8/4 81 Versailles; his s. Roland m. the dau. of Blanc of Monte Carlo. **15]** Hortense Eug. Beauharnais, w. of **6**, & step-dau. of Nap. I., * 10/4 1783 Paris, † 5/10 1837 Arenenberg. **16]** Her s. Louis Nap., * 11/10 1804, Grd. Dk. of Berg. 09, † 17/3 31 Forli. **17]** S. of **15** & **6**, Charles Louis Nap., *v.* Napoleon III. **18]** Elizabeth Patterson 1st w. of **7**, m. 1803, divorced 05. **19]** Frederica, Pcess. of Würtemberg, * 21/2 1788, m. **7** in 07, * 28/11 1835. **20]** Marquise Bartolini, married **7** in 1853. **21]** Jerome Nap., s. of **7** by **19**, * 24/8 1814 Gratz, † 12/5 47. **22]** Nap. Joseph Charles Paul, "Plonplon," s. of **7** by **19**, * 9/9 1822 Trieste, served in Wurtemb. army 37, to Fr. 47, Prce. of Emp. 52, genl. of div. in Crimea 54, m. Pcess. Clothilde, dau. of K. Vict. Emmanuel 59, pretender to Fr. throne 79. **23]** His s. Victor, * 18/7 62, also pretender. **24]** Nap. Franç., s. of **4**, *v.* Napoleon II. **25]** Mathilde L. W., dau. of **7**, * 27/5 1820 Trieste, m. 10/10 41 to P. Anatole Demidoff, separated 45, ♥.

Bonapartea, ✿, gen. of bromelworts

Bonar, Horatius, Scot. Presbyt. † & hymn ✓, * 1808.

Bonasia, ornith., gen. of grouse tribe, incldg. *B. umbellus*, ruffed grouse of N. America.

Bonasoni, Giul., Bologn. engraver, * *ca.* 1498, † *ca.* 1573.

Bonasus, zool., gen. of mammals, ord. *bovidæ*, incldg. aurochs.

Bonaventura, St. (John of Fidenza), genl. of Franciscans, card. & bp. of Albano, "Doctor Seraphicus," * 1221 Bagnorea, † 15/7 1274 Lyons, canonised 1482. † ✓.

Bonavista, or Boavista, most E. of Cape de Verde Isles, discovd. 1450, 4,000 inh.

Bonchamp, Artus de, Vendéan leader, * 1759, killed 93.

Bond, Willm. C., ✱, * 9/9 1789 Portland, U.S.A., † 29/1 1859 Cambridge; discovered Saturn's moons.

Bondi, Clem., Ital. poet. /, * 1742, † 1821.

Bondu, kingdom of Senegambia, W. Afr., 1,500,000 inh. Cap. ⊙, Bullibani, on Falemé.

Bonduc Nuts, or Nicker Nuts, seeds of *guilandina bonduc*, used in ☄.

Bone, Henry, Eng. enam. ●, * 1755 Truro, R.A., † 1834.

Bone, materl. of wh. inter. skeleton of vertebrates is compsd., const. of gelatine, phosphate of lime, &c., protected by thin tough membrane, *periosteum*, & supplied with blood-vessels; hollow inter. of long bones filled with marrow, or *medulla*. Structure, either soft (cancellated or spongy), or hard (compact); former honeycomb-like & chambered, latter composed of rod-like arrangement (Haversian system). In human skeleton there are 213 B.s.

Bone-ash, or bone-earth, residue obtained by burning of bones; chiefly phosphate of lime; subst. from wh. phosphorus is extracted.

Boneblack, animal charcoal, from charred bones.

Bonellia, zool., gen. of radiated anims. of class *echinodermata*.

Bonet, 1] J. P., Sp. teacher of deaf-mutes, 17th cent. /. 2] Theoph., Sw. ☄, * 5/3 1620 Geneva, † 29/3 89. /.

Bonfadio, Jacopo, Genoese ♛ /, * *ca.* 1502 Gazzano, executed 50.

Bonghi, Rugg., schol. & statesm., * 1827 Naples, prof. at Milan 60, Min. of Educ. 74, / on Rom. & Ital. ♛.

Bonheur, Rosalie (Rosa), anim. ●, * 22/3 1822 Bordeaux.

Boniface, St., "Apostle of Germany," real name Winfrid, * 680 Crediton, Devonsh., † Dokkum, W. Friesland, 755, archbishop of Mayence.

Boniface, name of 9 Popes. 1] B. VIII., electd. 1284, sought to extend temp. power, issued Bull *Unam Sanctam* 1302, † 11/10 1303. 2] B. IX., elected at Rome 1389 while Clem. VII. was pope at Avignon; driven from Rome 91 & 94, † 1/10 1404.

Bonifacio, Strait of, betw. Corsica & Sardinia.

Bonin, or Arzobispo Isles, E. of Loo-choo Isles, N. Pacif. O., uninhabited; turtles.

Bonin, 1] Ed. v., Pruss. genl., * 3/3 1793, War Minist. 1852–54, 58–59, † 13/3 65. 2] Gust. v., Pruss. statesm., * 23/11 1797, † 2/12 1878. 3] Ad. v., Pruss. genl., * 11/3 1803, Gov.-Gen. of Lorraine 70–71, † 16/4 72.

Bonington, Rich. Parkes, ●, * 25/10 1801, † 23/9 28 London.

Bonito, ichth., *thynnus pelamys*, of family of mackerels; Mediterr.; foe to flying-fish.

Bonitz, Herm., philol., * 29/7 1814 Langenzalza, † 25/7 88. /.

Bon mot, Fr. = good word; a witticism.

Bon sens, Fr. = good sense; mother-wit.

Bon ton, Fr. = good tone; good society.

Bon vivant, Fr. = good liver; gourmet; man of pleasure.

Bonn, ⊙ Rhen. Pruss. on Rhine, univ. fnded. 1818, 1,200 studts., statue of Beethoven, 32,000 inh.

Bonnat, Léon, ●, * 29/6 1833 Bayonne.

Bonne, Fr. = children's nurse; servant.

Bonnechose, 1] Franç. P. Em. B. de, Fr. ♛ & biog. /, * 18/8 1801 Leyerdorp, libr. of St. Cloud 29, † 1875. 2] H. M. Gaston B. de, French cardinal & archbishop of Rouen, great orator, * 30/5 1800 Paris.

Bonnefoy, or Bonfidius, Edm., Fr. ✱ /, * 20/10 1536 Chabeuil, † 8/2 74 Geneva.

Bonner, 1] Edm., Rom. Cath. †, * *ca.* 1498 Hanley, Worcestersh., bp. of London 1540, deprived &

imprisd. 49, restored by Q. Mary, persecuted Prots., † in Marshalsea Prison 5/10 69. 2] Robt., Amer. journ. ✓ & sportsm., * 28/4 1824 Londonderry, Ireland, purchased New York *Ledger* 51.

Bonnet, C., Sw. ♗ & nat. ♛ ✓, * 1720 Geneva, † 93.

Bonneval, Cl. Alex., Ct., adventurer, * 14/7 1675 Coussac Limousin, condemned to death in Fr., served Aust., became Mahometan 1730 as Achmed Pasha, govr. of Chios, † in disgrace 27/3 47.

Bonnivard, Franç. de, Prior of St. Victor, Geneva, Swiss monk & patriot, * 1496, imprisoned in castle of Chillon 1530–36, † 1570. ♛ ✓.

Bonny, one of the mths. of the Niger ⚓, W. Afr., flows into Bight of Biafra.

Bonomi, Joseph, orient. & Egyptol. ✓, * 1796 London, curat. of Soane Mus., † 1878.

Bononcini, Giov., Ital. ♫ composer, * *ca.* 1660 Bologna, rival in Engld. of Handel, † *ca.* 1756.

Bonpland, Aimé, ✓, * 22/8 1773 Rochelle, † 1858 Sta. Anna, S. Amer.; compan. of Alex. v. Humboldt.

Bonstetten, C. Vict. de, Sw. ✓, * 3/9 1745 Bern, † 3/2 1832 Geneva.

Bonze, Buddhist priest, esp. in Japan.

Booboojee Khanum, 1st Q. of Bijapur, * 1486, w. of Yoosuf Adil Shah; enlightened Hindu woman, † *ca.* 1570.

Booby, ornith., 1] the Soland or Channel goose, *sula bassana*, of fam. *pelicanidæ*. 2] The brown gannet, *sula fusca*. 3] Any natatorial bird of sim. form & stupidity.

Booddha, *v.* Buddha.

Book; B.s were originally rolls of bark, papyrus, cloth, or paper. The conventional names for sizes of B.s depend on the manner in wh. the sheets of wh. they are composed are folded. When sheet is folded so as to form 2 leaves or 4 pages the size is folio, this again doubled to 4 leaves or 8 pages is quarto (4to), folded to 8 leaves is octavo (8vo), to 12 is duodecimo (12mo), & so with 16mo, 18mo, 24mo, 36mo, 48mo. As size of sheet varies it is usually stated as royal 8vo, imperial 4to, &c.

Boole, Geo., math. & log. ✓, * 1815, † 64.

Boom, ⚓, a pole used to stretch out the bottom of a sail; also an obstructn. of spars & chains, &c., blocking a ⚓ or harbour.

Boomerang, parabola-shaped piece of wood, having one side flat & the other rounded, used by Austral. natives as a missile. It returns to him who throws it.

Boone, Dan., early colon. of Kentucky, * 1735 Pennsylvania, † 1820.

Boops, ichth., gen. of smart-coloured fish of fam. *sparidæ*, Mediterranean.

Boorhan Nizam Shah, * 1499, k. of Ahmednugger 1508, expelled 27, reinstated 30, † 53.

Booro, island of E. seas, betw. Celebes & Amboyna, 75×40 m., und. Dutch protection; inhs. Horaforas; prodcts., cajeput oil, wood, sago.

Boötes, the Herdsman, ✱, constellation of N. celest. hemisph., nr. Grt. Bear, chf. star Arcturus (*q.v.*).

Booth, 1] Barton, Eng. trag. ☾, * 1681, joined stage 98, at Drury Lane 1701, † 10/5 33; his 2nd w., Hester Saintlow, was also ☾. 2] His kinsman, Henry, Eng. statesm., * 1651, created E. of Warrington 90, † 94. 3] Edwin, s. of the Eng. ☾, Jun. Brut. B., trag. ☾, * Belair, U.S.A., 1833, joined stage 49, visited Eng. 61 & 84, blt. B.'s Theatre in N. York 68. 4] His brothr. John Wilkes, assasstd. Presdt. Lincoln 14/4 1865, shot in Virginia 26/4. 5] James, math., ✝ & misc. ✓, * 1814, F.R.S. 46. 6] Mary L., Amer. ♛ & journ. ✓, * 19/4 1831 Taphank.

Boothia Felix, penin. of Brit. N. Amer., discovd. by Ross 1830.

G. of Boothia separates B. F. from Cockburn Land on E.

Bootle, ⊙ Lancash., Eng., 27,500 inh., mufs.

Booton, island in E. seas, S.E. of Celebes, 85 × 20 m., inhabs. Mahom., under Dutch protectn.

Bopp, Franz, fndr. of comp. philol., * 14/9 1791 Mayence, † 23/10 1867 Berlin, as prof. of Orient., Sanser., Zend, Armen., & Greek languages.

Boppard, ⊙ on Rhine, 5,600 inh.

Bora, Catharine v., w. of Luther. * 29/1 1499, m. 13/1 1525, † 20/12 52 Torgau.

Bora, N.E. wind in Julian Alps; *v.* Boreas.

Boracic, *v.* Boric.

Borage, ♃, type of the ord. *boraginaceæ*, wh. also inclds. forget-me-not & oyster-plant.

Borassus, ♃, gen. of palms, incldg. Palmyra or brabtree; wine & sugar from sap; E. Ind.

Borax, ⚗, biborate of sodium. $Na_2B_4O_7$, fnd. native in Californ., Thibet & Peru; calld. tincal; crysts. in octohedra; in ℞, prods. diuresis; sedatv. actn. on muc. membrns.; used in soldering metals, & for fixing colours on porcelain.

Borborus, entom., gen. of two-winged flies of fam. *muscidæ*; dung-heaps, &c.

Borda, J. C., math. & ✈, * 4/5 1733 Dax, † 19/2 99. ⁄.

Borde, Andrew, Eng. monk, & rom. & ℞ ⁄, * 1500, † 1549.

Bordeaux, ⚓ ⊙, anctly. Bourdigala, Gironde, Fr., on Garonne, 60 m. from Atlantic, cath. 11th cent., univ. 1441, libr. 200,000 vols., quays 3 m.: wine, corn, fruit, sugar; archbp.; Eng. from 1154–1452, seat of Nat. Govt. 1870–71, 225,000 inh.

Bordeaux, Wine, chiefly red, grown on Garonne ⚓; claret; best vars. Chat. Lafitte, Latour, Margaux.

Bordesley, *v.* Birmingham.

Bordighera, Ital. ⊙ on Mediter., 1,800 inh., date palms.

Bordogni, Marco, ♪ singer, * 1789 nr. Bergamo, † 31/7 1858 Paris.

Bordone, Paris, ●, * *ca.* 1500 Treviso, † 19/1 70 Venice, pupil of Titian & Giorgione.

Bore, a sudden inrush of water up rivers with wide estuaries; causd. by meeting of tide & current, *e.g.* in Amazon, Ganges, Indus, Severn, Trent ⚓s.

Boreas, Grk. myth., personification of N.E. wind.

Borecole, or sprouts, loose-headed var. of cabbage, ♃, *brassica oleracea*.

Borel, Pierre, Fr. ♃ & naturalist, * 1620, † 89.

Borelli, Giov. Alf., ⚷ & ✈, * 28/1 1608 Castelnuovo, † 31/12 79 Rome. ⁄.

Borghese, Cam. Fil. L., Prince, genl., * 19/7 1775 Rome, m. Pauline Bonaparte (*q.v.*) 1803, dk. of Guastalla 08, † 9/5 1832 Florence.

Borghese, palace in Rome, park, Ψ collection.

Borghesi, Bart., Ct., numis. & Ψ, * 11/7 1781 Savignano, † 16/4 60

Borgia, Sp. fam. settled in Ital.; of wh. Pope Alex. VI. (*q.v.*). His nat. s. 1] Cæsar, created card. 1492, murd. his brother Giov. 97, exchanged cardinalate for dkdom. of Valentinois, distingd. for cruelty, † before Vianna 12/3 1507. His sister 2] Lucrezia, beautiful but vicious, * 1480, m. (1) Giov. Sforza, (2) Alfon., dk. of Biscaglia, (3) Alphon. of Este, dk. of Ferrara; patroness of art & literat., † 1520 Ferrara.

Borgognone (Jacopo Cortesi), ●, * 1621 St. Hippolite, † 14/11 76. His brothr. Guglielmo, ●.

Borgu, or Barbu, Afr. kingdom W. of Niger.

Boric Acid, or Boracic or Orthoboric Acid, ⚗, $B(OH)_3$, formd. by dissolving boron trioxide in water; occurs in steam fr. volcanic vents, or suffioni, in Tuscany; cryst. in

six-sided laminæ, forms unstable salts & borates, turns litmus paper brown.

Boring Mollusca, including teredo & pholas, &c., do damage to ships & piers.

Boris, Godonov, Czar of Russ. 1595, † by suic. 1605.

Borissow, Russ. ⊙ on Beresina, 7,700 inh. Napol.'s crossing of Beresina 1812.

Borkum, sm. Germ. island at mth. of Ems, 850 inh., sea-bathing.

Borlasia, zool., a ribbon-worm, 15 ft. long, fnd. on coasts of Brit. & Fr., of fam. *nemertidæ*.

Borlase, Willm., Cornish. ⊕ & Ψ, * 2/2 1696 Pendeen, † 31/8 1772. ✓.

Bormio, or Worms, N. Ital. ⊙ on Adda; baths, 2,000 inh.

Born, 1] Bert. de, Visc. d'Hautefort, troubadour, * 1145, † 1210. ✓. 2] Ignaz v., ⊕, * 1742 Karlsburg, † 1791 Vienna. ✓.

Borna, Sax. ⊙ on Wyhra, 8,000 inh.

Börne, Ludw., pol. & crit. ✓, * 18/5 1786 Frankfort-o.-M., † 12/2 1837 Paris.

Borneo, island of E. archipel., discovd. by Port. 1521; 290,000 s.m.; more than ⅔ Dut., remainder belong. to Sult. of Brunei, Sult. of Sulu, & Raja of Sarawak, & to Brit. N. Borneo Co.; sago, wax, birds'-nests, camphor, hides, tortoiseshell, antimony, coal, gold, diamonds; inh. 1,750,000, chiefly Malay Dyaks & Chinese; *v.* Sarawak, Bruni, Sulu.

Borneo Camphor, or Borneol, ⚗, $C_{10}H_{17}(OH)$, from tree *dryobalanops camphora* of Borneo. By heating with nitr. acid is converted into common camphor.

Bornholm, Dan. isld. in Baltic, 20×14 m., ▲ous, porcelain clay, 34,000 inh., chf. ⊙ Rönne.

Bornier, Henri, Visct. de, ⊕ & rom. ✓, * 25/12 1825 Lunel; libr. of Arsenal, Paris.

Bornite, ⊕, an ore of copper; horseflesh ore; Cornwall, &c.

Bornu, kingdom of Cent. Afr., S.W. of Lake Tchad, slaves, cattle; inh. 9,000,000, chiefly negroes; Mahom., rulers Arab. Chf. ⊙, Kuka, 60,000 inh.

Borodino, Russ. villg., on Kaluga, 70 m. W. of Moscow, ✕ 7/9 1812, Russ. defeated by Fr.

Boron, ⚗, a triatomic element, symb. B, obtaind. by fusing boric trioxide with sodium; tasteless brown powder.

Borough, ⚖, a chartered town or villg. with corporatn. & cert. powers of self-govmt. Engl. & Wales have 240, Scot. has 81 burghs, & Ireland 31 boroughs. Parliamentary B.s, returning membs. to Parlt. before Reform Bill 1885, Eng. & W. 199, Scot. 22; Irlnd. 31; returned 360 membs., now ret. 254 membs.

Borough-English, custom of cert. manors whereby lands descend to youngest son, or younger brother.

Borromean Isles, in Lake Maggiore.

Borromeo, 1] Carlo (St.), Count, card. & archbp. of Milan, * 2/10 1538, Castle of Arona, N. Ital., † 4/11 84, canonisd. 1610. 2] His cousin, Federico, card., class. & orient. schol., * 1564 Milan, archbp. of Milan 95, founded Ambrosian Library, † 22/9 1631. ✓.

Borrow, George, Eng. travlr., philol., & ✓, * nr. Norwich 1803, † 81. "Lavengro."

Borstell, K. H. L. v., Pruss. genl., * 30/12 1772, † 9/5 1844.

Borthwick, 1] David, of Lockhill, Scot. ⚖, * *ca.* 1522, King's Advocate 73, 1st Lord Advocate, † 81. 2] Algernon, ✓, * 1830 Cambridge, editor of *Morning Post*, knted. 1880, M.P. 85, bart. 87.

Bortnianszky, Dimitri, ♥, * 1751 Gluckow, † 9/10 1825.

Boru, or Boroimbe, Brian, king of Munster, Ireland, * 926, supreme king of Ireland, † ✕ Clontarf 1014.

Bory de St. Vincent, J. B. M., Baron, nat. ♛, * 1780 Agen, †

22/12 1846, scient. expeds. to Morea, Algiers, &c.

Bos, zool., typ. gen. of fam. *bovidæ*. Common ox, *B. taurus;* Chillingham ox, *B. scoticus;* Brahman bull, *B. indicus*.

Bosa, or Bouza, Turk. drink of fermented millet-seed.

Bosboom, Anna L. G., Dut. rom. ✓, * 16/9 1812.

Boscan Almogavèr, Juan, Sp. poet. ✓, * 1500, † 43; introduced sonnet & ottava rima to Sp.

Boscawen, Edw., Brit. adml., 3rd s. of Lord Falmouth, * 19/8 1711, capt. 40, M.P. Truro 42, rear-adm. 44, Lord of Admiralty 51, vict. off Newfoundland 55, adm., vict. at Bay of Lagos 59, † 10/1 61 near Guildford.

Bosch, Hieron., ⊕, * *ca.* 1460 Bois-le-Duc, † 1516.

Boscovich, Rog. Joseph, Ital. math. & ✱, * 18/5 1701 Ragusa, † 13/2 87. ✓.

Bose, Jul., Ct. v., Pruss. genl., * 12/9 1809, led 11th Army Corps at Worth, 1870.

Boselaphus, zool., gen. of *antilopidæ*, incldg. eland antelope, *B. oreas*.

Bosh-bok, a S. African antelope.

Bosio, Ferd., ✓, * 1829 Alba, † 16/10 81 Rome.

Bosjesmans, Dutch name for Bushmen of S. Africa.

Bosna-Serai, r. Serajevo.

Bosnia, formly. prov. of Eur. Turk., N.W. part of Turk. Emp., occupd. under provns. of Berlin Treaty 1878 by Austr.; ▲ous; ⊜s, cattle, sheep, goats, 16,417 s.m., 870,000 inh. Cap. ⊙, Serajevo or Bosna-Serai; ⊙s, Banjaluka, Travnik, Fotcha, Novi-Bazar, Sienitza, Vichegrad.

Bosphorus, the strait of Constantinople, separating Eur. & As., & uniting Marmora & Black Seas. Darius bridgd. it to invade Scythia; 2 m. broad. The Cimmerian B., strait unitg. Black S. & S. of Azov; Strait of Yenikale or Kaffa.

Bosquet, P. F. J., Fr. marsh., * 8/11 1810, † 3/2 61.

Bossi, Gius., Ital. ⊕ & ✓ on art, * 1777, † 1815.

Bossu, Rene de, ⚓ & crit. ✓, * 16/3 1631 Paris, † 14/3 80.

Bossuet, Jacq. Benigne, Fr. orator & ✝, bp. of Meaux, * 27/9 1627 Dijon, † 12/4 1704 Paris, ✍ ✓. "Sermons."

Bostock, John, Eng. physiol., * 1774, † 1846. ✓.

Boston, 1] ⚓ ⊙, Lincolnsh., Eng., nr. mouth of Witham, on N. Sea; church 1309, 18,900 inh., rets. 1 M.P. 2] Cap. ⊙, Massachusetts, U.S.A., on a penin. in Mass. B., inclg. E. Boston, S. Boston, Roxbury, Brighton, & Charlestown; orignlly. called Tremont, but B. since 1630; 375,000 inh.

Boston, Thos., Scot. ✝ ✓, * 17/3 1676 Dunse, † 20/5 1732.

Boswell, James, biog. ✓, * 29/10 1740 Edinburgh, † 19/5 1795 London. "Life of Samuel Johnson" 91.

Bosworth, or Market B., ⊙ Leicestersh., 6,500 inh.; ✕ 21/8 1485, Hen. VII. deftd. & killed Rich. III.

Bosworth, Jos., Eng. philol., * 1790, † 27/5 76. ✓.

Bot, larva of botfly (*q.v.*) or other sp. of *œstrus*.

Botany, the science of all things relating to the veg. kngdm., divd. into Structural, Physiological, Economic, & Systematic B. Plnts. are either flowerless or flowering. Latter sub-divd. into monocotyledons & dicotyledons. Divs. of monocots., *petaloidæ, glumaceæ, spadicifloræ*. Divs. of dicots., *thalamifloræ, calycifloræ, corollifloræ, incompletæ* (*q.v.*). ✍: Treated of by Aristotle 347 B.C., Theophrastus 324 B.C., Pliny, Arabs, Conrad Gesner † 1565, M. Lobel, Cæsalpinus, Grew, Malpeghi, Ray 1686, Linnæus 1735, A. L. de Jussieu 1789, Lindley 1867, &c.

Botany Bay, nr. Sydney, N. S. Wales, Austral., 1787 penal settlement of Grt. Brit., but supplanted

1788 by Port Jackson; discvd. 1770 by Cook.

Botargo, sausage of mullet-roes, incentive to drink.

Botaurus, ornith., gen. of *ardeinæ*, including bitterns.

Botfield, Beriah, Eng. bibliog., * 1807, † 7/8 63.

Botfly, entom., any sp. of *œstrus*, breeze-fly, gad-fly, or horse gad-fly, *gasterophilus equi;* deposits eggs on legs, &c., of anim., which licks the place & transfers larvæ to its stomach, where they grow an inch long, & are ejected with food.

Both, 1] And., ●, * *ca.* 1609 Utrecht, † *ca.* 40 Venice. 2] His brother Jan, landscape ●, * *ca.* 1610, † *ca.* 57.

Bothnia, Gulf of, N. pt. of Baltic Sea, betw. Swed. & Finland, named from anct. prov. of Swed., 400 × 135 m., frozen in winter.

Bothriocephalus, zool., an intestinal worm. *B. latus* is Russ. tapeworm.

Bothwell, villg. Lanarksh., on Clyde, ruins of B. Castle. ✕ of B. Bridge 22/6 1679, Covenanters defeated by Monmouth.

Bothwell, James Hepburn, earl of, * 1536, † 1578 Denmark, 3rd husb. of Mary Q. of Scots 15/5 1567, after having murd. her 2nd husb., Lord Darnley.

Botrytis, ✱, gen. of fungi: muscadine disease of silkworms is caused by *B. bassiana*.

Bott, Jean, violinist & composr., * 9/3 1826 Cassel, directr. of Magdeburg Conserv. 78.

Botta, 1] Paul Em., Fr. travlr. & Ψ, * 1805, at Mosul 43, † 18/4 70. /. 2] His father, Carlo, ♛ /, * 6/11 1766 San Giorgio, Rector at Bonn 1815, † 10/8 37 Paris.

Bottalla, Paul, Jesuit ✝ & ♛ /, * 15/8 1823 Palermo.

Bottari, Giov., ♛, philol. & Ψ /, * 1689 Florence, † 1775.

Böttcher, J. Fried., alℭ, disc. of porcelain, * 4/2 1682 Schleiz, † 13/3 1719 Meissen.

Bottesini, Giov., bass viol'cellist & composer, * 24/12 1823 Crema. Traveller.

Böttger, Ad., ep., lyr. & ✆ /, * 21/5 1815 Leipzig, † there 16/11 70.

Bottger-ware, corrupted from Bottcher-ware, the white porcelain of Dresden.

Botticelli, Sandro, s. of Mariano Filipepi, ●, * 1446 Florence, † 17/5 1510.

Bötticher, 1] Karl, Ψ, * 29/5 1806. 2] K. Heinr. v., * 6/1 1833 Stettin, Germ. Sec. of Int. 80.

Böttiger, K. Aug., Ψ, * 8/6 1760, † 17/11 1835 Weimar. /.

Bottle-head Whale, or Bottle-nosed W., zool., *hyperoödon bidens.*

Bottle-tit, or B.-tom, ornith., the long-tailed tit-mouse, *parus caudatus.*

Bottomry, ⚓ ⚒, contract pledging ship as security for advance to owners for expenses of voyage; if ship is lost, lender loses money.

Botzaris, *v.* Bozaris.

Botzen, *v.* Bozen.

Bouchain, ⊛ ⊙, Nord, Fr., taken by Marlboro' 1711.

Bouchardat, Apollinaire, Fr. physician, * *circa* 1810, ⚗ and pharmac. /.

Boucher, 1] Franç., ●, * 29/9 1703 Paris, † 30/5 70. 2] Jonathan, ✝, polit., & philol. /, * 1737 Blencogo, Cumberland, † 27/4 1804.

Bouches-du-Rhône, a S.E. department of Fr., pt. of old prov. of Provence. ⊙s, Marseilles, Aix, Arles; 1,963 s.m., 560,000 inh.

Boucicault, Dion, ✆ & ✆ /, * 26/12 1822 Dublin. *London Assurance* 41, *Colleen Bawn* 60, *Octoroon* 61.

Boucicaut, Jean de, Fr. marsh., * 1365, taken prisnr. at Agincourt, † 1421 in England.

Bouët-Villaumez, L. Ed., ct. de, Fr. adm., * 24/4 1808 Toulon, † 8/9 71. /.

Boufiers, 1] L. Franç., dk. de, Fr. genl., * 10/1 1644, govr. of Luxemburg 86, marshal 93, defend.

Namur 95, vict. at Eckeren 31/6 1703, defend. Lille 08, † 22/3 11 Fontainebleau. 2] Stanislas, marq. de, * 1737, † 1815, Prior of Kts. of Malta, memb. of Tiers État. ⁄ "Libre Arbitre."

Bougainville, L. Ant. de, Fr. navigator, * 11/11 1729, voy. round world 63–69, † 31/8 1811. ⁄.

Boughton, Geo. H., ●, * Norfolk, Eng., 1836, settled at Albany, U.S.A., *ca.* 59, stud. in Lond. 59, Paris 59, settled in London 61. A.R.A. 79.

Bougie, ✝ instr. of india-rubber, wax, or metal, for enlarging passages & ducts; invntd. by Alderets *ca.* 1540.

Bouguereau, W. Ad., ●, * 30/11 1825 Rochelle.

Bouillaud, 1] or Bullialdus, Ishm., scient. & ✎ ⁄, * 28/9 1605 Loudun, † 25/11 1694 Paris. 2] J. B., Fr. ✝, * 16/9 1796 Angoulême, Dean of Fac. of ✝ Paris 48. ⁄.

Bouillon, 1] Godfrey, dk. de, 1st Latin king of Jerusalem, * *ca.* 1060, fght. at ⚔ Merseburg 81, crusader, stormd. Jerusalem 15/7 1099, elected king, vict. at Ascalon 12/8 99, † 1100. 2] H. de la Tour d'Auvergne, visct. de Turenne, dk. de, Fr. marsh., * 1555, † 1623, father of the great Turenne (*q.v.*).

Boulak, ⊙ Egypt, on Nile, nr. Cairo, of wh. it is the port; museum; 20,000 inh.

Boulanger, 1] Louis, ♛ ●, * 11/3 1806 Vercelli, † 5/3 67 Dijon. 2] Gust. Rud., ●, * 25/4 1824 Paris, † 22/9 88. 3] Geo. Ern. E. M., Fr. genl. & statesm., * 1838 Rennes; capt. 62, maj. 70, lieut.-col. 70, brig.-genl. 80, Min. of War 7/1 86–87, rem. fr. army 27/3 88, memb. of Nat. Ass.

Boule, Ch. Aud., cabinet-maker, * 1642, of Germ. descent, † 1732 Paris; inventr. of B. work, inlaying in tortoiseshell.

Bouleward, orignly. a city rampart, now a walk or street on its site.

Boulgarine, Thadd., Pol. rom. ⁄, * 1789.

Boulogne, 1] ⊙ on Seine, nr. Paris, 19,000 inh. 2] B.-sur-Mer, ⚓ ⊙, Pas-de-Calais, Fr., camp for invasion of Eng. 1804, 42,000 inh., ⚒s; Eng. 1544–50.

Boulter, Hugh, Eng. †, * 1671, archbp. of Armagh 1724, † 1742.

Boulton, Matt., mnf. & ⊕, associated w. James Watt, * 14/9 1728 Birmingham, improver of steam-eng. & art of coining, † 17/8 1809 Handsworth.

Bountry, or bountree, ✱, elder-tree, *sambucus nigra.*

Bounty, Queen Anne's, produce. of first-fruits & tenths made over by Q. Anne in 1704 to a corporation for augmenting eccles. livings under £50 a year, &c.

Bouquetin, zool., *capra ibex.*

Bourbaki, Ch. Denis S., Fr. genl. of Grk. extraction, * 22/4 1816 Pau, command. 1st Fr. Army of N. 70, driven into Switz. 71, comdt. at Lyons 71–79.

Bourbon, Fr. royal family descended from Louis Capet, arose w. Robt., s. of Louis IX., wh. received title of dk. of B. 1327. The fam. obtnd. Fr. crown 1589, that of Sp. 1713, that of Sicily 1735, that of Parma 1748; expelled from Fr. 1790, restored 1815, expelled 1830 & 48, expelled from Parma 1859, from Sicily & Naples 1860, from Spain 1868, restored there 1873. The B. family compact 1761 guaranteed, as betw. membs. of the family, their possessions.

Bourbon, Charles, dk. of (Constable of B.), * 17/5 1490, vict. at ⚔ Marignano, fght. ag. his country at Pavia, killed at Rome 6/5 1527.

Bourbon, Amer. whisky made from maize.

Bourbon, Île de, islnd. off E. of Afr., now Réunion (*q.v.*).

Bourbonnais, anct. prov. of Fr., now Allier & pt. of Cher. Cap. ⊙, Moulins.

Bourbonne-les-Bains, Fr. ⊙,

Hte. Marne, on Apance, hot springs, 5,000 inh.

Bourchier, Thos., †, Chanc. of Oxf. Univ. 1434–37, bp. of Winchester 34, bp. of Ely 43, archbp. of Canterbury 54, card. 55, Lord Chan. 56–57, † 30/3 86. Patr. of printing.

Bourdaloue, Louis, Fr. †, orator & Jesuit, * 20/8 1632 Bourges, † 13/5 1704. / "Sermons."

Bourdon, Sebast., Fr. ●, * 1616 Montpellier, † 71.

Bourdon Pressure Gauge, elastic flat tube, bent to circ. form & exhausted of air. Its ends separate as press. decreases. Invnt. 1849.

Bourgeois, Fr. = citizen, middle-class. In typog., a small type betw. long primer & brevier.

Bourgeois, Sir Fran., Eng. ●, * 1756, R.A. 92, left collection of ●s to Dulwich Coll., † 1811.

Bourges, anctly. Avaricum, Fr. ⊙ on Auron & Evre, cap. of dept. of Cher; castle; 40,000 inh.

Bourget, Le, Fr. villg. nr. Paris. ⚔s 30/10 & 21/12 1870.

Bourgogne, *v.* Burgundy.

Bourke, Hon. Robt., statesm., * 1827, Under-Sec. for For. Affs. 74–80 & 85–6.

Bourmont, Louis Aug. V., ct. de, marsh., * 2/9 1773 in Anjou, Fr. command. in Sp. 1823; peer, War Min. 29, conquered Algiers 30, fled with Charles X., genl. under Dom Miguel 33, † 27/10 1846.

Bourne, Vincent, Eng. Lat. poet. /, † 1747.

Bournemouth, ⚓ ⊙, Hampsh., Eng., resort of consumptives, 18,000 inh. B. Beds, or Alum Bay Beds, in ⚒, beds of Middle Eocene.

Bournouf, Eug., Orient. schol., * 1801, translated Books of Zoroaster, prof. of Sanscrit in Coll. of France, † 52.

Bourrienne, L. Ant. de, Fr. statesm., * 9/7 1769 Sens, secr. to Napol. I., minist. of Louis XVIII., † 7/2 1834 Caen. / "Memoirs of Napoleon."

Boursault, Edme, ✆ /, * 1638, † 15/9 1701 Montluçon.

Bourse, Fr. = a purse, an exchange. The Paris B. is the Paris Stock Exchange.

Boussingault, J. B. J. D., prof. of ⚗ at Lyons, * 2/2 1802 Paris.

Boustrophedon, method of writing or printing from right to left & left to right alternately.

Bouterwek, 1] Fried., ✠ /, * 15/4 1765 Oker, † 9/2 1828. 2] Fried., ●, * 1800 Tarnovitz, † 11/11 67 Paris.

Bouts-rimés, Fr. = rhymd. endings; verses written to suit prescribed rhyming end-words.

Bouvart, Alexis, Fr. ✎, * 1767, † 1843.

Bouverie, Hon. Edw. Pleydell, * 1818, M.P. 44–74, Und. Home Sec. 50–52.

Bouvier, John, Amer. ⚖, * 1787 France, † 1851. /. His dau. Hannah M. was a distingd. ✎ /.

Bouvines, Fr. villg. nr. Lille. ⚔ 1214, Phil. Aug. deftd. Otho IV.

Bouza, or Bosa (*q.v.*).

Bovey Coal, lignite from Bovey Tracey, Devonshire.

Bovidæ, zool., fam. of ruminant anims. consistg. of sp. with simply rounded horns, not twisted; contains gen. bos, bison, bubalus.

Bovino, Ital. ⊙ on Cervaro, 7,600 inh. ⚔ 1734.

Bow, ⚓, the fore-pt. of a vessel; the rounding of a ship forward.

Bow-window, a projecting window in form of a segmt. of a circle.

Bow-wood, ✿, the Osage orange, *maclura aurantiaca.*

Bowdich, Thos. Edw., travlr. * 1790 Bristol, † 10/1 1825. /.

Bowditch, Nath., Amer. scient. /, * 1773, † 1838.

Bowdler, Thos., * 1754, † 1825, expurgator, hence to "bowdlerise."

Bowdoin, James, Amer. statesman & /, * 1726 Boston, Govr. of Mass. 85, † 90. ● B. College, Brunswick, Maine, was named after his s. Joshua, * 1752, † 1811.

Bowen, 1] Fran., Amer. ✠, * 8/9 1811 Charlestown, Mass., prof. of ✠ Harvard 35, editor *North Amer.*

Review 43–54. ✓. 2] Sir Geo. F., * 1821, Govr. of Queensland 59, of N. Zealand 67, of Victoria 73–79.

Bower-birds, birds of genera *ptilorhynchus* & *chlamydera*, wh. bld. bowers; Australia.

Bowerbank, John Scott, Brit. naturalist, * 1797 London, fnded. Microsr. & Palæontol. Societies.

Bowie-knife, Amer. double-edged knife, from Col. Tim. Bowie, its inventor.

Bowles, Willm. Lisle, Rev., Eng. poet. & crit. ✓, * 24/9 1762 King's Sutton, † 7/4 1850 Salisbury.

Bowman, Willm., surg. & oculist., * 1816 Nantwich. ✓.

Bowring, 1] Sir John, polit., ♣ & ✓, * 17/10 1792 Exeter, † 28/11 1872 Claremont, nr. Exeter; govr. of Hong-Kong 54; translatns. from Russ., Sp., &c. 2] Edgar Alf., * 1826, translr. of Goethe, Schiller, Heine, C.B. 62, M.P. 68–74. ✓.

Bowsprit, or Boltsprit, ⚓, large spar projecting over bow of vessel, supported by forestay, & carrying sprit-sail, sprit-topsail, & jack-staff.

Bowyer, 1] Willm., typog., editor, & crit., * 19/12 1699 London, † 18/11 1777. 2] Sir Geo., Brit. adm., * 1740, pres. at ✕s off Grenada 6/7 79 & Ld. Howe's vict. 1/6 94, † 1800. 3] Sir Geo., Eng. ♞, * 1811, † 7/6 83. ✓.

Box, ♥, *buxus*, gen. of plts. of ord. *euphorbiaceæ*. Common B. is *buxus sempervirens*. Prickly B. is a liliaceous plt. *ruscus aculeatus*.

Boxall, Sir W., R.A., Eng. ●, * 1800 Oxford, † 6/12 79.

Boxer, Edw., Brit. adm., * 1784, capt. 1823, rear-adm. 53, † 55.

Boxer-Shrapnel, diaphragm shell improved by Col. Boxer 1852.

Boyar, *v.* Bojar.

Boyce, Willm., ♪ composer, * 1710 London, † 79.

Boycott, To; to outlaw socially & commercially. From Capt. Boycott, who, as agent to Lord Erne, was thus treated by the Irish peasantry in 1880–81.

Boyd, Rev. A. K. H., ✓, * 1825 Auchinleck. ; "Recreations of a Country Parson" 59.

Boydell, John, engravr. & publsr., * 1719 Derbysh., † 12/12 1804.

Boyer, 1] Jean Pierre, a mulatto, * 1776 Port-au-Prince, presdt. of Rpb. of Haiti 1818, expld. 43, † 9/7 50 Paris. 2] A., Fr. surg., * 1757, † 1833. ✓ "Traité d'Anatomie."

Boyle, 1] Robt., Eng. ♣, †, & ⚗, * 25/1 1627 Lismore Castle, † 30/12 1691, improver of air-pump, directed attention to atomic theory 61, fnded. Boyle Lectures for demonstration of truth of Christianity. ✓. 2] Rich., his father, earl of Cork, Ld. High Treas. of Eng., * 3/10 1566 Canterbury, † 15/9 1644. 3] His 5th s., Roger, earl of Orrery 1660, * 26/4 1621, † 16/10 1679. ✓. 4] His 2nd s., Chas., * 1676 Chelsea, involved in controv. with Bentley, "Battle of the Books;" succeeded to earldom 1703; patrond. G. Graham, inventor of the orrery; creatd. Lord Boyle, † 28/8 1731. 5] John, his s., * 2/2 1706, succed. his fathr. 31, † 16/11 1762; ✓, patron. of lit.

Boyle's Law, that "the vol. of a gas is inversely as the pressure."

Boylston, Zabdiel, Amer. ♞, * 1684 Mass., introd. inoculation to New Eng. 1721, † 66.

Boyne, ♣ Ireland, rising in Bog of Allen, flows 63 m. to Irish Sea below Drogheda. ✕ 1/7 1690.

Boyse, Sam., Brit. poet. ✓, * 1708 Dublin, † 49.

Boz, early pseud. of C. Dickens.

Bozaris, or Botzaris, 1] Markos, Grk. patriot, * *ca.* 1787, killed at Missolonghi 1823. 2] His s. Dimitri, * 1813, Grk. Min. of War, † 30/8 70 Athens. 3] Kosta, bro. of 1, † 13/11 1853 Athens.

Bozen, or Botzen, ⊙ Tyrol, on Eisack, 10,700 inh.

Br, ⚗, symb. for Bromine.

Brabançonne, Belg. national song, 1830.

Brabant, anctly. a duchy in Netherlands, now divided betw. Holl. & Belg., Belg. having S.

Brabant, 1,000,000 inh., cap. ⊙ Brussels, & Antwerp, 575,000 inh., cap. ⊙ Antwerp; & Holl. having N. Brabant, 460,000 inh., cap. ⊙ Bois-le-Duc. ♛ of old Duchy: under dks. of Burgundy, under Austr., under Sp. 1516; N. Brabant pt. of indept. United Provs. 1581; remainder Sp. till 1706, then Austr.; whole united to Fr. 1793, B. pt. of kingdom of Holl. 1806, reannexed to Fr. 10; w. Holl. & Belg. separate kngdm. 1815, revolt of S. Brabant & Antwerp from Holl. 1830.

Braca, meas. of length in S. Europe, Sp. *ca.* 61 inches, Port. *ca.* 83 inches, Ital. *ca.* 25 inches.

Bracara Augusta, *v.* Braga.

Braccio, Fortebracci, P. of Perugia, Ital. ⚔, * 1368, proclaimed Prince 1416, took Capua 21 & Naples, † 24.

Bracciolini, Poggio, Ital. schol., ✓, * 1380 Terranuova, discovd. MSS. of many anct. classics, papal secretary 1402–17, 21–53; chanc. of Florence 53–59; † 59 Florence.

Brace, ⚒, line coupling 2 or more staves together.

Brachelytra, entom., large group of beetles with short wing-cases; sometimes called cocktails.

Brachinus, entom., gen. of beetles w. narrow head & thorax, capable of expelling acrid fluid from anus; bombardier B.s.

Brachiopoda, zool., one of the great classes of molluscous sub-kingdom, bivalves w. one shell on back & other in front, unequal in size, but one side of same valve symmetrical with other.

Brachman, Brahman (*q.v.*).

Brachmann, Louise C., poet. ✓, * 9/2 1777 Rochlitz, † 17/9 1822 Halle.

Brachvogel, Emil, ✆ & rom. ✓, * 29/4 1824 Breslau, † 27/11 1878 Berlin.

Brachycera, entom., sub-ord. of *diptera*, 2-winged flies with short antennæ of 3 joints; 7 fams.

Brachypodium, ⚘, genus of grasses; false brome-grass.

Bracken, *v.* Brake.

Brackenbury, 1] Chas. Booth, Brit. offr. & ⚔ ✓, * 7/11 1831 Bayswater, entrd. R. Art. 1850. ✓ "European Armaments in 1867." 2] Henry, Brit. genl., * 1/9 1837 Bolingbroke, entrd. R. Art. 56, served in Ashantee, in Egypt 84–85. ✓ "Fanti & Ashanti" 73.

Brackenridge, 1] Hugh Hy., Amer. polit., wit, & ✓, * 1748 Scotland, edited *U. S. Gazette* 76, † 1816. 2] His s., * 1786, polit. & ✓, † *ca.* 1860.

Bracklesham Beds, ⚒, mdd. division of Bagshot series, dark green sand & brown clays.

Bract, ⚘, a leaf growing upon a flower-stalk.

Bracton, Henry de, Eng. ⚖ ✓, 13th cent.

Braddock, Edw., Brit. genl., * 1715, comd. in Virginia 54, killd. in ⚔ with Fr. & Inds. nr. Ft. du Quesne 9/7 55.

Braddock Down, Cornwall. ⚔ 19/1 1643, Roy. vict.

Braddon, Mary Elizabeth (Mrs. Maxwell) rom. ✓, * 1837 London. "Lady Audley's Secret" 62.

Bradford, ⊙ W. Riding of Yorksh., silk, velvet, alpaca, pub. bldgs., 194,000 inh., ret. 3 membs. Parlt., Cent., E. & W.

Bradford, Great, market ⊙ Wiltshire, Eng., on Avon, 8,300 inh.

Bradford, O. G. C. Bridgeman, 3rd E. of, * 24/4 1819, succeed. 65, Ld. Chamberlain 66–68, Mastr. of Horse 74–80 & 85.

Bradford, 1] Alden, Amer. polit. & ✓, * 1760, Secr. of State for Mass. 1812–24, † 43. "Hist. of Mass." 2] Willm., typog., * 1659 Engl., went to Amer. 82, first printer in Penn. 87, publd. *New York Gazette* 93, † 1752. 3] Willm., one of Pilgrim Fathers, * 1588 Nottinghamshire, 2nd govr. of Plymouth 1621–52, † 57.

Bradford Clay (from Grt. B.), ⚒, marly stratum above Grt. Oolite & below Forest Marble.

Brading, ⊙ Isle of Wight; 8,000 inh.; remains fine Rom. villa.

Bradlaugh, Chas., polit. & atheist. ✓, * 1833 London, M.P. for Northampton 80, not permitted to take seat until 85.

Bradley, 1] James, ✶, * 1692 Sherborne, Savilian prof. at Oxon. 1721, Astron. Royal 42, † 13/7 1762 Chalford, discvd. aberration of light. 2] Edw. ("Cuthbert Bede") * 1827 Kidderminster, rector of Denton 59. ✓ "Verdant Green."
3] George Granville, †, * 1821, educated Rugby & Oxford, headmaster of Marlboro' 58, master of Univ. Coll., Oxon, 70, dean of Westminster 81.

Bradshaw, John, Eng. repub. polit., * Marble Hill 1602, presdt. of Court wh. tried Chas. I. 49, † 22/11 59.

Bradstreet, 1] Simon, Eng. puritan, * 1603, emigtd. to Amer. 1630, govr. of Mass. 79–86, 88–92, called "Nestor of N. England," † 97. 2] Anne, Amer. poet. ✓, * 1613, † 72.

Bradwardine, Thos., Eng. schol., "profound doctor," * ca. 1290 Hartfield, archbp. of Canterbury, † 1349.

Brady, Nich., * 26/10 1659 Bandon, † 20/5 1726 London, transltr. of "Æneid," and, with Tate, of the Psalms.

Braekeleer, Ferd., ●, * 19/2 1792 Antwerp, † 16/5 1883.

Braemar, ▲ous distr. of S.W. Aberdeensh., Scot., fine scenery; to S. is Castle of Balmoral. B. Gathering, 26/8 1715, Scot. chiefs organised rising of Pretender.

Braga, anct. ⊙ Bracara Augusta, Port. ⊙, 20,000 inh., archbpric.

Braga, Theoph., Port. poet., ✍, & ⚒ ✓, * 24/2 1843 Toola di San Michele, prof. at Lisbon.

Braga, Cossack drink, sim. to beer.

Braganza, cap. ⊙ Port. prov. of Tras-os-Montes, 5,100 inh.

Braganza, House of, branch of Port. royal house, began with Alfonso, † 1461, nat. s. of King John I., attained throne in pers. of John III. in 1640, extinct in Port. 1853, but has reigned in Braz. since 1826.

Bragg, Braxton, Amer. genl. of Confed. Army; * 1815 N. Carolina, vict. at ✕ Chickamauga 63, deftd. at Chattanooga, surrend. 26/4 65, † 27/9 76.

Braham, John, Eng. tenor singer, of Jew. descent, * 1774 London, † 1856. Composer.

Brahé, Tycho, ✶, * 14/12 1546 Knudstorp, Denm., † 24/10 1601 Prague; compltd. list of 777 fixed stars.

Brahilow, v. Braila.

Brahma, Hindu god, creator of world & of man, represented with 4 heads; 1st pers. of Hindu trinity, with Vishnu & Siva.

Brahma Fowl, or Brahmaputra fowl, var. of poultry.

Brahmaputra, ⚓ Ind., rises as Sanpu, in Thibet, at 14,000 ft. elevation, issues from Himalayas as Dihing, & is joined by B. proper, wh. ris. in N.E. Assam; flows thro' Assam into main outlet of Ganges. Total length 1,800 m., area of basin 361,200 s.m.

Brahmin, worshipr. of Brahma; highest caste of Hindu.

Brahminism, religion of the Hindus, as set forth in the Vedas, 2000–1400 B.C. Supreme Being is Brahma, who created universe, *after springing from a lotus* produced by Vishnu, who, with Brahma's offspring Siva, is now chiefly worshipped. The Vedas teach worsh. of one God, but they have been ousted by the Puranas, of more mod. date, which teach worsh. of many infer. deities. The Brahma Somaj, finded. by Raja Ram Mohun Roy & developed by Cheshub Chandra Sen, seeks to restore ancient monotheistic doctrine.

Brahmin Ox, the zebu, a var. of *bos taurus* or common ox.

Brahms, Joh., ♪, * 7/5 1833 Hamburg; song, piano & orchest.

Brahui, or Hala, ▲ betw. Ind. & Beluchistan.

Braidwood, Thos., teacher in Edinburgh of deaf & dumb, † 1806 Hackney.

Braila, or Brahilow, Rouman. ⊙ in Wallach., on Danube, formly. ⚙; trade, mnf., 26,000 inh.

Brain, anat., that part of nervous syst. contnd. within cranium or encephalon; cent. pt. of nervous syst. composd. of cerebrum, cerebellum, medulla oblongata; formd. of fibres connected by areolar tissue & enveloped by 3 membranes, dura mater, arachnoid, pia mater; subst., grey or cineritious, & white or medullary; chemical constit., albumen, fatty matter, phosphorus, salts, water; aver. weight *ca.* 44 oz., bulk from 65–84 cub. ins. B. furnishes conditns. for intelligence, spinal cord, with which it is connected, for movement.

Brain-fever, inflam. of lining membranes of brain, ♃, *meningitis*, or of brain itself, *cerebritis*.

Brainard, John G. C., Amer. poet. ✓, * 1796, † 1828.

Brainerd, Dav., Amer. missnry. to N. Am. Inds., * 1718 Haddam, Conn., † 9/10 1747.

Braintree, ⊙ Essex, 5,200 inh.

Brake, or Bracken, ♃, a fern, *pteris aquilina*.

Bramah, Jos., ⚙, * 13/4 1749 Stainboro', Yorksh., † 9/12 1814; invented lock, hydraul. press, printing mach., &c.

Bramante (Donato Lazzari), △, leader of Ital. Renaissance, * *ca.* 1444 nr. Urbino, † 1514 Rome.

Bramble, ♃, *rubus fruticosus*, the blackberry, or any allied sp. of same gen.; about 7 Brit. specs.

Brambling, Bramble Finch, or mountain chaffinch, ornith., *fringilla montifringilla*.

Bramhall, John, archbp. of Armagh, * *ca.* 1593 Pontefract, † 1663, controversy w. Hobbes.

Bramham Moor, Yorksh., ⚔ 1408, Roy. vict.

Bramwell, G. W. Bramwell, Baron, Eng. ⚖, * 1808 London, called to bar 38, Q.C. 51, Bar. of Exchcq. 56–76, Ld. Just. of App. 76–81, life peer 82. ✓. His brother, Sir Francis, ⚙, Pres. of Inst. of Civ. Engineers.

Bran, husky portion of ground corn, separated from flour.

Branchia, zool., gills, apparatus by wh. fish, &c. extract air from water.

Branchiata, zool., primary division of vertebrate sub-kingdom, contng. fish & amphibia.

Brand, or Burn, disease of vegetables, in wh. leaves & bark are apparently burnt.

Brand, 1] H. B. Willm., visct. Hampden, * 1814, Sec. of Treas. 59–66, Speaker of H. of C. 72–84, peer 84. 2] John, Ψ, * 1743, † 1806. ✓ "Observations on Popular Antiquities."

Brandanus, Irish abbot, 6th cent., fabled to have undertaken remarkable voyages.

Brande, W. Thos., Eng. ⚗, * 1788, † 11/2 1866. ✓. "Dict. of Science, Lit., & Art."

Brandenburg, anct. Brennabor, Pruss. ⊙ on Havl, 30,000 inh.

Brandenburg, Fred. Will., ct. of, s. of K. Fred. W. II. of Pruss. & Ctess. Dönhoff, * 24/1 1792 Berlin, head of Ministry 48, † 6/11 1850.

Brandenburg, prov. of Pruss., cradle of Pruss. monarchy, 15,406 s.m., 3,392,000 inh., divided into circles of Berlin, Potsdam, & Frankfort. Cap. ⊙, Berlin; ⊙s, Potsdam, Frankfort-o.-O., Kottbus, Brandenburg, Spandau, Prenzlau. ♛: fndng. of margravate of N. Saxony 931, of Altmark 946, & B. 949. Albert the Bear, margrave of B. 1134, increase of B., B. reverted to the Empire 1320, Otto of B. created elector, Wenzel elector 1373, margravate pledged to Frederick of Hohenzollern, conferred on him 1417, succed. by Fred. II. 1440, B. & Pruss. united 1618.

Brandes, 1] Georg, Dan. ♛ ✓, * 4/2 1842 Copenhagen. 2] J. Christ., Germ. ☉ & ☉ ✓, * 1735, † 99.

Brandolini, name of two blind brothers. 1] Aurelio, * 1440 Florence, prof. of eloquence, Buda, † 97. /. 2] Raffaele, /.

Brandt, Marianne (Marie Bischof), singer, * 11/9 1842 Vienna.

Brandy, alcoholic liq. obtained by distilling wine, best from white wine; conts. 40–50 per cent. of alcohol. Brit. B. is a distillation from proof spirit with crude tartar, French plums, & good brandy. In Germ. & elsewhere B. (*Branntwein*) is made from corn, cherries, rice, &c.

Brandywine, ⚓ Penn., U.S.A. ✕ 11/9 1777, Amers. deftd.

Brant, Seb., /, * 1458 Strasburg, † 10/5 1521. "Ship of Fools."

Brantôme, P. de Bourdeilles, Seigneur de, Fr. memoir writer, * *ca.* 1527 Perigord, † 15/7 1614 Richemont.

Brasavola, Ant. Musa, Ital. ♂ & ♃, * 1500, † 55. /. His s. Girolamo, * 1536, & grdson. Girolamo, * 1628, also ♃s.

Brasenose College, Oxford, fnded. early 16th cent.; charter dated 15/1 1512.

Brass, alloy of copper & zinc, mnf. introd. to Eng. from Germ. 1649. Proportns., 1 copper, 2 zinc; old Dut. B. copper 79·55, zinc 34·45.

Brasseur de Bourbourg, Chas. E., ethnog., * 8/9 1814, † 8/1 1874 Nice; travld. in Amer. /.

Brassey, 1] Thos. Cecil, ⊕, * 1805, railway contractor, † 8/12 70. 2] His s. Thomas, statesm., * 1837, M.P. Hastings 68, Civ. Ld. & Sec. of Admlty. 80–85, creat. Ld. B. 86. /.

Brassica, ♂, gen. of crucifers containing *B. oleracea*, sea-cabbage, origin of common cabbage. The ord. *brassicaceæ* inclds. cresses, wallflowers, &c.

Brathwaite, Richd., Eng. poet. / & wit, * 1588, † 1673.

Bratianu, or Bratiano, Ivan, Roumn. statesm., * 1822, banished 48, returned 57 & effected union of Mold. & Wallach., Minister 67–68, 76.

Brattice, ⚒, planking on inside of shaft or gallery.

Braun, 1] Alex., ♂, * 10/5 1805 Regensburg, † 29/3 77 Berlin. /. 2] Aug. Em., ♆, * 19/4 1809 Gotha, † 12/9 56 Rome. /.

Braunsberg, ⊙ E. Pruss., on Passarge, 11,600 inh.

Braunschweig, *v.* Brunswick.

Brauwer, or Brouwer, Adr., ☻, * 1608 Haarlem, † 1640.

Bravura, 𝄆, a spirited, brilliant passage.

Braxy, or bracks, intestinal disease of sheep.

Bray, 1] ⚓ ⊙ Ireland, in cos. Wicklow & Dublin; bathing, 6,000 inh. 2] Villg. on Thames, in Berkshire, Eng.

Bray, 1] Anne Eliza, *née* Kempe, Eng. nov. /, * *ca.* 1799, m. Charles Stothard 1818, m. Edw. A. Bray 25, † 21/1 83. "De Foix," "The Talba." 2] Thos., †, * 1658, eccles. comm. for Maryland & Va. 99, † 1730, origtr. of Soc. for Prop. of Gospel.

Brazil, Emp. of S. Amer., on N.E. bnded. on N. & E. by Atlantic O., Guiana, & Venezuela, & inland by Ecuador, Peru, Bolivia, Paraguay, Argentina, & Uruguay; 3,219,000 s.m., 20 provs., 10,200,000 inh.; gold, silver, iron, topaz, diamond, timber, hides, sugar, coffee, cotton, india-rubber, tobacco, corn, cavassa. ▲s: Serra Geral, Sa. do Mar, Sa. de Mantiqueira, Sa. Sajada, Sa. Azul, Sa. Morena. ⚓s: Amazon, Yurua, Purus, Madeira, Tapajos, Xingu, Rio Negro, Japura, Rio Branco, Araguay, Uruguay, Rio Doce, Paraguay, Mondega. *Lakes:* Dos Patos, Mirim, Rabeka. Cap. ⊙, Rio de Janeiro. ⊙s: Bahia, Pernambuco, Aracaty, Porto Alegre, Sao Paulo, Fortaleza. Germ. colonies at Bluemenau, S. Leopoldo, S. Maria, Curitiba, &c. ♛: Disc. 1499 by Pinzon, annexed to Port. by Cabral 1500, Span. poss. 1580, again Port. 1640, indep. emp. 1822, constitution 25/3 1826, Emp. Dom Pedro II. succed. 7/4 1831. Army 13,500 men on peace ftng., navy 10

ironclads & 26 others. Rys. 3,700 m., rev. *ca.* £13,300,000, expend. *ca.* £14,000,000, debt, incl. paper currency, *ca.* £86,000,000.

Brazil-nut, *v.* Bertholletia.

Brazil-tea, leaves of mate, *Ilex paraguayensis,* used as subst. in S. Amer. for tea.

Brazil-wood, from var. sps. of *cæsalpinia,* yields red dye, & cryst. subst. brazilin, sim. to hæmatoxylin of logwood.

Brazza, largest & most pop. of Dalmatian Isles, belongs to Austr., 20,000 inh.

Brazza, H. de, Afr. travlr. & explor., * 1852 Rome; in Fr. serv. on Congo.

Bread, ground grain, moistened, kneaded & baked in loaves. Art very anct. Yeast used to ferment B. in Eng. 1634.

Bread-fruit, fruit of *artocarpus incisa,* of ord. *urticaceæ*; nat. of S. Sea Isles, introd. to W. Ind. by Bligh.

Bread-root, edible root of *psoralea esculenta* of Missouri.

Breakwater, hydraul. ⊕, a wall to shelter an anchorage, *e.g.* B. at Cherbourg, begun 1784, 4,120 yds. long; B. at Plymouth, begun 1812, 5,260 ft. long.

Bream, ichth., 1] *Abramis brama,* the carp-beam. common in Medway & Mole ⚓s. 2] Eng. name of sev. fish of family *cyprinidæ* & gen. *abramis, e.g.* White B., Pomeranian B.

Breast-work, ⚒, rudely formed parapet of earth or felled trees, provid. w. banquette.

Breccia, ⚒, a rock composd. of angular fragmts. united by cement of lime, oxide of iron, &c.

Brèche de Roland, narrow pass in Pyrenees, 300 ft. wide.

Brechin, Scot. ⊙ in Forfarsh., 9,100 inh., linen.

Breckenridge, John C., Amer. polit. & genl., * 21/1 1821 near Lexington, Ky., Vice-Pres. U.S. 56, cand. for Prescy. 60, joined secession, Confed. Sec. of War 65, † 17/5 75.

Brecon, or Brecknockshire, county of S. Wales, 57,800 inh., rets. 1 M.P. Chf. ⊙, B., on Honddu, Tarell, & Usk, 6,650 inh.

Breda, Dut. ⊕, on Aa & Mark, arsenal, 17,200 inh. Declaratn. of B. 14/4 1660, manifesto of Charles II. to Eng. Parlt. Treaty of B. 31/7 1667, betw. Eng. & Fr., Holl. & Denm., restord. St. Kitts, Antigua, & Montserrat to Eng., & Nova Scotia to Fr.

Brederode, Henry, Ct., leader of the Gueux, * 1531, † 68.

Brée, Mat. Ign. van, ⊕ & ⊕, * 22/2 1773 Antwerp, † there 15/12 1839.

Breech-loader, any firearm wh. is charged at the rear; inventd. in 16th century.

Breen, Hy. Hegart, Ir. poet. & misc. ✓, * 1805 Kerry.

Breeze-fly, gad-fly.

Breguet, Abr. Louis, horolog., * 1747 Neuchatel, † 1823.

Brehm, Alf. Edw., zool., * 2/2 1829 Reuthendorf, † 14/11 1884. ✓ "Illustr. Thierleben."

Brehon Laws, anct. laws of Irish.

Breisach, or Brisach, 1] Old B., ⊙ Baden, on Rhine; 3,200 inh.; anctly. ⊕. 2] New B., ⊙ Elsass, on Rhine, opp. Old B., 2,250 inh.

Breisgau, dist. of Baden, 138,000 inh.

Breislak, Scipione, nat. ⚗ & ⚒, * 1748 Rome, † 15/2 1826 Milan. ✓.

Breitenfeld, villg. Sax., near Leipzig. ⚔s 7/9 1631, 23/10 1642.

Breitinger, Joh. Jac., Swiss esthet. ✓ & crit., * 1/3 1701 Zurich, † 15/12 76.

Breitmann, Hans, pseud. of Leland, Chas. G. (*q.v.*).

Bremen, free Hanse ⊙ & till 1888 free city of Germ., on Weser, 50 m. from sea; cap. of state of B. (106 s m., 142,500 inh.), trade, cigars, wool, cotton; cathed. 12th cent., stat. of Gustav. Adolph. ♛: B. joind. Hanse Confed. 1276, war with Swed. 17th cent., 1810 Fr. occupation, 1815 free city; 123,500 inh.

Bremen-blue, Bremen-green, pigments of carbonate of copper, alumina, & carbonate of lime.

Bremer, Frederika, Swed. nov. ✓, * 17/8 1801 nr. Abo, Finland. † 31/12 1865 Arsta.

Bremerhafen, port of Bremen, on Geeste & Weser; trade, 14,300 inh.

Brenner, Afr. travlr., * 30/6 1833 Merseburg, † 22/3 74 Aden.

Brenner, ▲ Tyrol. Alps, 6,690 ft., on it the B. Pass, 4,500 ft.

Brenneville, Normandy. ⚔ 20/8 1119.

Brennus, Celt. prince, leader of expedtn. of Gauls to Rome 390 B.C.

Brent Goose, or Brant goose, *anser torquatus*, with breast & wings dusky red.

Brentano, 1] Clemens, ✝ & rom. ✓, * 9/9 1778 Frankfort-o.-M., † 28/7 1842 Aschaffenburg.

Brentford, ⊙ Middlesex (pop. of Parlt. divsn. 58,900). ⚔s 1016, 12/11 1642.

Brentford, Pat. Ruthven, earl of, Roy. genl. in Parlt. War, † 1657.

Brenton, 1] Jahleel, Brit. adm., * 1770, † 1844, with *Spartan* & *Success* deftd. *Ceres* & 11 gunboats 1810, created bart. 1812. 2] Ed. Pelham, ✓, * 1774, 1839. ✓ "Nav. Hist. of Grt. Brit. 1783–1822."

Brentwood, ⊙ Essex, 4,700 inh.

Brenz, Joh., reform. of S. Germ., * 1499 Weil, † 11/9 1570.

Brescia, ⊙ Ital., on Garza, cap. of prov. of B., ⛪, 2 catheds., bpric., libr., silk, firearms, 40,000 inh.

Breslau, Pruss. ⊙ on Oder, in prov. Silesia, cathed. 12th cent., univ. fnded. 1506, 292,000 inh., prince-bpric. ⚔: Destroyed by Mongols 1241, Austr. 1526, Pruss. 10/8 1741, besieged 1741, 57, 60, 1806, 13.

Brest, ⚓ ⊕ Finisterre, W. France; docks, arsenal, observ., 66,000 inh., Eng. possn. 1345–95, Eng. attacked B. unsuc. 7/6 1694.

Brestel, Rud., Austr. statesm., * 16/5 1816 Vienna, Min. of Fin. 68–71, † 4/3 81.

Bretagne, or Brittany, N.W. penin. of Fr., anctly. Fr. prov., now forming depts. of Ille et Vilaine, Loire Inf., Côtes du Nord, Morbihan, & Finisterre. ⚔: Colonised by Britons 284, 364, & 6th cent., subject to Fr. 800, indept. 824–51. und. dks. of Normandy 912, semi-indept. 1212, united to Fr. 1532.

Bret Harte, v. Harte.

Bretigny, Treaty of, 8/5 1360, betw. Eng. & Fr.

Breton, 1] Ad. Jul., genre ●, * 1/5 1827 Courcelles. 2] His brother, Em., landsc. ●. 3] Nich., Eng. poet. ✓, * 1558, † 1624.

Breton, Celt. lang. spoken in Brittany, allied to Cornish.

Breton de los Herreros, Man., Sp. ✍ ✓, * 19/12 1800, † 73.

Brett, Wm. Baliol, Lord Esher, Eng ⚖ & judge, * 1817, called to bar 46, Q.C. 60, M.P. Helston 66–68, Sol.-Genl. & kntd. 68, Just. of Common Pleas 68, Ld. Just. of App. 76–83, Master of Rolls 83, & peer.

Bretwalda, supr. title among Ang.-Sax. kings of Heptarchy.

Breughel, 1] Pet., the elder, fnder. of Dut. genre ●, * *ca.* 1525 nr. Eindhoven, † 70 Brussels. His sons, 2] Pet., the younger, ●, * *ca.* 1564 Brussels, † *ca.* 1637 Antwerp. 3] Jan, * 1568 Brussels, † 13/1 1625 Antwerp, fndr. of landscp. ●.

Breve, 𝅜, note of time = 2 semibreves = 4 minims.

Brevet, 1] commisn. entitling a Brit. offr. to rank above his pay, *e.g.* brevet-major recs. pay of capt. but ranks as major. 2] In Fr., an officl. warrant.

Breviary, in ✝, bk. containing daily service of R.C. Church, fixd. by Bull of Pius V. 1568. Genlly., a shortened book, *e.g.* *Breviarium Alaricianum*, a digest of Goth. laws of Alaric II., 506.

Brevier, typog., sm. type betw. bourgeois & minion.

Brevio, Giov., Venet. poet. & nov. ✓, 16th century.

Brewer, Joh. Sherren, * 1810, prof. of class. at Oxon 41, editor of

Rolls Series of State Papers, &c. † 16/2 79. ✓.

Brewing, art of extracting saccharine solut. from grain & converting it into a fermented spirituous beverage, beer, ale, stout, or porter; known in Germ. at time of Christ, in Egypt earlier. Grain is malted, ground, mashed, boiled, cooled, fermented, cleansed, racked or vatted, fined; hops added in boiling.

Brewster, 1] Sir David, nat. ♃ & ✓, * 11/12 1781 Jedburgh, † 10/2 1868 Allerly; kntd. 32, discovs. in optics, &c., investd. polarisation of light, inventd. kaleidoscope. ✓ "More Worlds than One" 54, "Life of Sir I. Newton" 55.

Brian Boru, *v.* Boru.

Briançon, ⚜ ⊙ Htes. Alpes, Fr., 4,800 ft. above sea, commanding road betw. Fr. & Ital; anctly. Brigantium; 4,000 inh., coal ⚒.

Briar, *v.* Brier.

Briareus, or Ægeon, class. myth., giant with 100 arms & 50 heads.

Bric-à-brac, Fr.=knick-knacks.

Brick, mass of clay, or clay & sand, of reg. shape, baked for use in bldg.; usual shape parallelopipedon, 9×4½×3 in.

Brickwork, a rod of B. = 272 superf. ft. To calculate quantity in brick wall of a brick and a half or 13½ in. thick, mult. length by height & div. by 272. This gives rods. If of other thickness, mult. surface by no. of half-lengths of brick in thickness, div. by 3, div. by 272. This gives rods. Rod of B. set with mortar req. *ca.* 4,500 bricks, 1½ cwt. of lime, 2 loads of sand, weight *ca.* 15 tons, 7 cwt., 2 qrs., 1 lb. B. not common in London until after 1666.

Bridewell, a ho. of correction, from old bldng. nr. St. Bride's Well, Fleet St., London.

Bridewort, ❀, 1] *Spiræa ulmaria.* 2] *S. salicifolia.*

Bridge. Large B.s in China; oldest known stone B.s blt. by Roms., *e.g.* B.s of Fabricius & Cestius at Rome. Oldest B. in Eng. at Croyland *ca.* 860. Old Lond. B. blt. 1179–1209. First iron B. in Eng. Coalbrook Dale 1779. Susp. B. used in Europe *ca.* 1615.

Bridgeman, Orlando, Eng. ⚖ & judge, * 1606, † 1674, Ld. Keeper 61–73.

Bridgeport, ⚓ ⊙ Conn., U.S.A.; mnf., 30,000 inh.

Bridget, or Bride, St. 1] Irish, of 6th cent., 1/2. 2] Swed., of 14th cent., 8/10, fnded. Ord. of St. B.

Bridgewater, ⚓ ⊙ Somersetshire, on Parret; bricks, earthenware; 12,200 inh., besieged 1645.

Bridgewater, 1] Franc. H. Egerton, earl of, ✝ & Ψ, * 1758, prebend. of Durham, fnder. of B. Treatises, † 1829. 2] Franc. Egerton, dk. of, * 1736, † 8/3 1803. constructed canal from Worsley to Manchester & Mersey, compltd. 61.

Bridgewater Treatises, works prepared in pursuance of will of Franc. H., earl of B., who left £8,000 for payment to writers of a work on the power, wisdom, & goodness of God. Publd. 1833–36, 8 in number.

Bridgnorth, ⊙ Shropsh., on Severn, carpets; pipes, 7,300 inh.

Bridlington, or Burlington, ⚓ ⊙ E. Riding of Yorksh., ruins of priory; inh. (w. B. Quay) 8,500.

Bridport, Alexander Hood, viset., Brit. adm., * 1728, younger brother of Lord Hood; rear-adm. 80, served at Gibraltar 82, in actn. 1/6 94, created peer of Ireland, vict. ⚔ off L'Orient 23/6 95, peer of Grt. Brit., † 1815.

Bridport, ⊙ Dorsetsh., on Brit; canvas, cordage, nets; 6,850 inh.

Brie, Fr. dist. in Champagne & Ile de France; cheese, wine.

Brief, an epitome, abridgment. In ⚖, a statement of a client's case in writing for instructn. of counsel. A Papal B. is a letter from the Pope on matters of discipline.

Brielle, or The Brill, ⚜ ⊙,

Netherlands, on Voorn Island. Brit. from 1585–1616; 6,000 inh.

Brienne, Fr. ⊙ in Aube, 2,000 inh. ⚔ 29/1 1814.

Brienz, Lake of, C. Berne, Switz.

Brier, or Briar, ✿, var. specs. of Brit. roses. Sweet B., *rosa rubiginosa.* Briar-root, used for pipes, is root of a sp. of heath.

Brieuc, or Brieux, Saint, cap. ⊙ Côtes du Nord; 11,000 inh.

Brig, ⚓, vessel with 2 masts, square-rigged.

Brigade, ⚔, group of regts. or battalions under command of brigadier. A *corps d'armée* is formed of divisions, each of brigades, each of regts. or battalions.

Brigadier, or Brigadier-General, ⚔, in Engld., mil. offr. of local or temp. rank, genlly. a colonel, in command of sevl. battalions.

Brigantes, tribe of anc. Brits. in Yorksh., Lanc., Camb., Westm., & Durham.

Brigantii, anc. tribe in Vindelicia, nr. Lake Constance.

Brigantine, ⚓, 2-masted vessel, brig-rigged on foremast, but fore-and-aft rigged on main.

Briggs, 1] Henry, Eng. math., • 1556 Warleywood, inventor of logarithms calculated to base 10, Savilian prof. Oxon, 1624, † 26/1 31. 2] H. Perronet, Eng. ⊕, • 1793, † 1844. 3] Willm., Eng. ✗ & oculist, • 1641, † 1704.

Bright, 1] John, Eng. statesm., • 16/11 1811 Rochdale; Quaker; memb. Anti-Corn-Law Assocn. 38, M.P. Durham 43, Manchester 47, Birmingham 57, Presdt. Board of Trade 68–70, Chan. of D. Lancaster 73–74, 80–82. 2] Rich., Eng. surg., • 1789, † 1858, researches on kidney. ✓. 3] Sir Chas. Tilston, civ. & elect. ⊕, • 1832, laid 1st Atlant. cable 58, M.P. 65–69, † 3/5 88.

Bright's Disease, ✗, fatty degeneration of kidneys.

Brighton, or Brighthelmstone, ⚓ ⊙ Sussex, 50 m. S. of London, fashionable waterg.-place, Pavilion (pal. of Geo. IV.) blt. 1784–1827, Aquarium, 2 piers 1826 & 1865; 138,000 inh., rets. 2 M.P.s.

Brihuega, ⊙ Catalonia. ⚔ 1710, Brit. deftd.

Brill, Paul, landscp. ⊕, • 1556 Antwerp, † 7/10 1626 Rome.

Brill, The, v. Brielle.

Brill, ichth., a flat-fish, *pleuronectes rhombus,* common in Brit. markets.

Brillat-Savarin, A., ✓, • 1/4 1755 Belley, † 2/2 1826. "Physiologie du Goût."

Brilliant, a diamond cut in lozenge facets alternating with triangles; it has 2 truncated portns. In typog., smaller than diamond.

Brimstone, 1] Sulphur. 2] Spores of lycopodium (vegetable B.). 3] Entom., a butterfly, *rhodocera rhamna.*

Brindisi, ⚓ ⊕ Ital., on Adriat., anctly. Brundusium; 18,500 inh.

Brindley, James, ⊕, • 1716 Thornsett, † 1772; designd. Bridgewater Canal.

Brine Shrimp, or Brine Worm, *artemia salina,* fnd. in salt-pans.

Brinjal, fruit of egg-plant.

Brink, Jan ten, Dut. nov. & critic. ✓, • 15/6 1834 Appingedam, editor *Nederland* 72.

Brinkley, John, Eng. ✝, • 1763, bp. of Cloyne 1826, † 36. ✓.

Brinvilliers, Marie M., marquise de, poisoner in conspiracy with Ct. St. Croix, executed 16/7 1687 Paris.

Brion, Frederica, • 1754 Sesenheim, † 3/4 1813 Mussenheim; mistr. of Goethe 70–71.

Brionic Isles, 3 isles in N.E. Adriat.; marble.

Briot, C., Fr. math., • 1817 St. Hippolyte.

Brisach, v. Breisach.

Brisbane, 1] C., Brit. ⚓ offr., • 1769, as commodore captured Curaçoa 1807, kntd., † 29, admiral. 2] Thos. McD., Brit. ⚔ offr. & ✝, • 1773, blt. observ. at Paramatta as govr. of N. S. Wales 1821, † 1860.

Brisbane, cap. ⊙ Queensland,

Austral., on Brisbane, 25 m. from Moreton Bay; Prot. & R.C. bprics., trade, fnded. 1825, 38,000 inh.

Brisket, part of breast next ribs.

Brisson, 1] Eug. Henri, Fr. polit., * 31/7 1835 Bourges, presdt. of Cham. of Deps. 81, Premier 85. 2] Barnabe, Fr. ⚖, * ca. 1531, executed 15/11 91. ✓. 3] M. Jacq., zool. & ⚗ ✓, * 30/4 1723 Fontenay-le-Comte, † 23/6 1806 Broissi.

Brissot, J. P., Girondin revol., * 14/1 1754 Chartres, ex. 31/10 93.

Bristle-moss, ❦, *orthotricum striatum.* B.-grass, *agrostis setacea.*

Bristol, 1] ⚓ ⊙ Gloucest. & Somersetsh., on Frome & Avon, w. subs. of Clifton, Cotham, Redland, &c.; cathed. 12th cent., Ch. of St. Mary Redcliffe, Clifton Suspension Bridge 702 ft. long, 245 ft. high, docks. Anct. Brit. ⊙ Caer Oder; 254,000 inh.; rets. 4 M.P.s, N., S., E., W. 2] ⚓ ⊙ Rhode Island, U.S.A., 6,000 inh.

Bristol Channel, inlet of Atlantic O., betw. S. Wales & Devon & Somerset, receiving ⚗s Severn, Wye, &c.

Bristol Diamond, sp. of rock crystal.

Bristow, 1] Rich., * 1538, Moderator of Eng. Coll. at Douai; R. Cath. ✓, † 81. 2] H. Willm., ⚒, * 1817, F.R.S. 62. ✓.

Briswort, ❦, the daisy, *bellis perennis.*

Britain, Great, *v.* Great Britain.

Britannia, anct. Lat. name of Great Britain or Albion, inhabtd. by Cymric branch of Celtic race, relig. Druidism; men painted their bodies blue with woad; trade with Belgæ or Gauls, & with Phœnicians, who worked tin in Cornwall. First Rom. invasion by Cæsar 55, 54 B.C., conqrd. by Roms. 43 A.D. Roman for 4 cents., fell to Angles & Saxons, & gradlly. assumed name of England. B. personified in arts as female seated on rock, with shield & trident, fnd. on medal of Ant. Pius ca. 150; fig. revivd. by Ch. II. 1667, Barbara Villiers sitting for B.

Britannia Bridge, tubular bridge across Menai Strait, betw. Wales and Anglesey, opened 1850.

Britannia Metal, white alloy of brass, tin, antimony, & bismuth.

Britannicus, son of Rom. emp. Claudius & Messalina, * 11/2 42, † (poisoned by Nero) 55.

British Burmah, *v.* Burmah.

British Caffraria, *v.* Cape Colony.

British Colonies & Foreign Possessions. *In Europe:* Malta, Gozo, Gibraltar, Heligoland, Channel Islands, Isle of Man. *In Asia:* Brit. Emp. in India, Ceylon, Burmah, Aden, Socotra, Hong-Kong, Labuan, Brit. N. Borneo, Singapore, Penang, Prov. Wellesley, Malacca, Cyprus. *In Africa:* Cape Colony, Transkei, Griqualand, Port St. John's, Pondoland, Zululand, Natal, Mauritius, Sierra Leone, Gambia, Gold Coast, Lagos, Ascension, St. Helena. *In America:* Dominion of Canada, Newfoundland, Brit. Guiana, Brit. Honduras, Falkland Isles, Jamaica, Trinidad, Leeward & Windward Isles, Bahamas, Barbados, Bermuda. *In Australasia:* Australia, Tasmania, New Zealand, pt. of New Guinea, Fiji Islands. Total area, ca. 8,316,000 s.m.; 270,000,000 inh.

British Columbia & Vancouver's Island, W. prov. of Dom. of Canada, on N. Pacif. O. Eng. col. 58, united to Dom. 71; 341,305 s.m., 52,000 inh.; gold, copper, iron, coal, wood, potatoes, hides. Cap. ⊙, New Westminster.

British Gum, soluble subst., formed by heating dry starch to 600°.

British Honduras, Brit. col. in Cent. Amer., 13,500 s.m., 28,000 inh.; occupied 1667. Mahogany, logwood, sugar, cocoa, coffee. Cap. ⊙, Belize, on Atlan. O. Rev. ca. £52,000.

British Museum, Grt. Russell St., London, originated in bequest

of Sir Hans Sloane 1753. His collections, with Harleian & Cottonian Libraries, lodged at Montague Ho. 15/1 1759–1823, when part of prest. bldg. was erected, completed 47. By Act of 1753 invested in trustees for nation; buildg. designed by Smirke; library, 1,400,000 printed books, 60,000 MSS., 45,000 charters & rolls. Bot., min., geol. colls. now in new bldg. at S. Kensington. B. M. supported by ann. grants from Parlt.; in 1885–6, £161,333.

British Parliament, legislative machinery of Brit. Emp., consisting of sovereign, & Houses of Lords & Commons, meeting at Palace of Westminster. Ho. of Lords conts. 2 archbps., 24 bps., 16 rep. peers of Scot., 28 rep. peers of Ireland, & all peers of Gt. Britain, *ca.* 470. Ho. of Commons contnd. (1801–67) 493 Eng. & Welsh, 105 Irish, & 60 Scot. members; now (und. Ref. Act 1885) Eng. & Welsh 495, Irish 103, Scot. 72 membs.= 670. Cand. for membership must be Brit. subjt. of full age; election by ballot, under Acts 1872, 1885; membs. accepting posts of emolument und. Crown must resign, but are eligible for re-election.

Brito, 1] Bern. de, Port. ✍ /, • 1569, † 1617. 2] Phil. de, Port. adventr., • 1550, exectd. 1613 Pegu.

Brittany, *v.* Bretagne.

Britton, 1] Eng. ⚒ /, *temp.* Edw. I. 2] John, Ψ, • 7/7 1771, † 1/1 1857. 3] Thos. ("musical small-coal man"), • 1654, sold coal in Lond., ♛ & ♞, † 1714.

Britzska, travelling carriage with hood & 4 wheels.

Brixham, ⚓ ⊙ *Devonsh., fishing*; laudg. of Will. III. 5/11 1688; 7,100 inh.

Brizeux, Jul. Aug. Pelage, Breton poet. /, • 1806, † 1858.

Broach, or Baroach, distr. of Bombay, Brit. Ind.; 360,000 inh. Cap. ⊙, B., 38,000 inh.

Broad Arrow, mark used by Brit. Govt. on stores & materls.: said to have been crest of earl of Romney, Mast.-Genl. of Ordnance 1693–1702.

Broad-bill, ornith., 1] the shoveller duck, *anas clypeata.* 2] the spoonbill, *platalea leucorodia.*

Broad Bottom Ministry, England, 1744–54.

Broad-pennant, ⚓, swallow-tailed tapering flag at masthead; sign of a commodore.

Broadhurst, Henry, • 1840 Littlemore, Parlt. Sec. of Trades Congress; s. of stonemason, M.P. 1880, memb. of govt. 86.

Broadstairs, ⚓ ⊙ Kent; bathing; 2,500 inh.

Broadwood, John, Scot. carpenter, • 1731, employed 1751 by Tschudi in piano-making; patd. sq. piano; finder. of firm of B.; † 1812.

Brocchi, Giov. B., Ψ, ♨, & ⚒, • 1772 Bassano, † 1826 Khartoum.

Broccoli, var. *botrytis,* of common cabbage, *brassica oleracea.*

Brocken, or Blocksberg, ▲ in Harz ⛰, Pruss., 3,740 ft.; phenom. of Spectre of B., shadow thrown on mist by sunset.

Brockhaus, 1] Fried. Arn., publr., finder. of firm of B., • 4/5 1772 Dortmund, † 20/8 1823 Leipzig. 2] His s. Herm., Orientalist, • 28/1 1806 Amsterdam, † 5/1 77.

Brocklesby, Richd., ⚷, • 11/8 1722, † 11/12 1797. /.

Brodhead, J. Romeyn, Amer. ✍ /, • 1814 Philadelphia. "History of New York."

Brodie, 1] Sir Benj. C., physiol. & surg., • 1783 Winterslow, † 21/10 1862 Broom Park, Middlesex, president of Roy. Soc. 58. /. 2] His eld. s. Sir Benj. C., ♞, • 1817 London, † 24/11 1880; Waynflete prof. Oxon 55, presdt. ♞ Soc. 60. /.

Broglie, Fr. fam. 1] Vict. Franç., dk. de, Fr. marsh., • 19/10 1718, fght. in 7 Years' War, † 29/3 1804. 2] His grd.-s. Achille C. L. V., dk. de, statesm., • 1/12 1785 Paris, † 25/1 1870. 3] His s. C Jacq. Vict. Alb., dk. de, statesm. & dipl., • 13/6 1821 Paris, amb. to London 71, minist. 73–4, 77.

Broke, Philip B. V., Brit. ⚓ offr., * 1776; enterd. navy 92 commander *Shannon* 1806, captured *Chesapeake* 1/6 13, rear-adm. 30, † 41.

Broken Wind, disease in horses, arising from rupture of air-cells of lungs.

Broker, one employed in negotiation of comm. transactns. betw. others. Ship-B.s procure goods on freight for vessels & collect freight. Exchange-Bs. negotiate bills. Stock-B.s buy & sell shares & securities; in London must be licensed by Ld. Mayor & Aldermen, giving bond for £500; *v.* Pawnbroker.

Brome, 1] Alex., Eng. poet. ✓, * 1620, † 66. 2] Rich., Eng. ✆ ✓, servt. of Ben Jonson, † 1652.

Brome Grass, ✿, *bromus,* common in Brit.; seeds prod. giddiness.

Bromine, ⚗, a non-metallic element; symb. Br, atomic weight 80, discvd. by Balard in sea-water salts 1826; dark red-black liquid, poison to inhale. Bromide of potassium is much used in ✚, in epilepsy, tumours, &c., & as hypnotic.

Bromley, 1] Sir Thos., * 1530, † 1587, Ld. Chanc. of Eng. 2] Willm., engraver, * 1769, † 1842.

Bromsgrove, mkt. ⊙ Worcestershire, 13,000 inh.; nails, buttons.

Bronchitis, ✚, inflam. disease of breathing tubes; difficulty of breathing; acute or chronic.

Brongniart, 1] Alex., ⊖, * 5/2 1770 Paris, † 4/10 1847. ✓. 2] His s. Ad. Theod., ✿, * 14/1 1801 Paris, travlr. ✓.

Bronnzell, villg. in Germ., nr. Fulda. ✕ 8/11 1850.

Bronsart, Hans v., pianist, * 1828 Königsberg (m. Ingeborg *née* Stark, pianist, * 24/8 40 Petersburg).

Bronté, ⊙ Catania; 10,000 inh.; Nelson created dk. of B. 1799.

Brontë, 1] Charlotte ("Currer Bell"), Eng. nov. ✓, * 21/4 1816 Thornton, nr. Bradford, † 31/3 55 Haworth, m. 54 Rev. A. Nicholls. "Jane Eyre" 47, "Shirley" 49, "Villette" 53. 2] Her sistr. Emily ("Ellis Bell") Eng. nov. ✓, * 1818, † 48. "Wuthering Heights." 3] Her sistr. Anne ("Acton Bell"), * 1820, † 49. ✓ "Agnes Grey."

Bronze, alloy of copper & tin, sometimes w. zinc & lead. For cymbals: copper 78, tin 22. For cannon: copper 100, tin 11. For bells: 80 copper, 10·1 tin, 5·6 zinc, 4·3 lead. For Brit. B. coinage: 95 copper, 4 tin, 1 zinc.

Bronze Age, period following the Stone Age.

Brooke, 1] Henry, Ir. nov. & poet. ✓, * 1708 Rantavan, † 83. "Fool of Quality" 68. 2] Sir James (Rajah), * 29/4 1803 nr. Bath; to Sarawak 38, assumed govt. 41, obtained Brit. agency in Borneo 45, K.C.B. 47, govnr. of Labuan 48–56, † 11/6 68. 3] Gust. Vaughan, trag. ✆, * 1818 Dublin, joined stage 33, to Amer. 50, to Austral. 54, wrecked in *London* 10/1 66. 4] Dau. of 1, Charlotte, misc. ✓, † 1793. 5] Frances, poetess, nov. & ✆ ✓, * 1745, † 89. 6] Stopford Aug., ✝ & misc. ✓, * 1832 Dublin.

Brooklime, ✿, Eng. name of Veronica, or Speedwell, *veronica beccabunga;* used as salad.

Brooklyn, ⚓ ⊙ Long Island, U.S.A., in New York; 3rd city in Amer.; separd. from ⊙ New York by East River; navy yard, docks, mnfs., Suspension Bridge 1870–83, churches; 600,000 inh.

Brooks, 1] Chas. Shirley, nov., ✆ & misc. ✓, editor of *Punch* 70–74, * 1815, † 23/2 1874. 2] James Gordon, Amer. poet. ✓, * 1801, † 1841. 3] Maria, Amer. poetess, * *ca.* 1795, † 1845.

Broom, ✿, *sarothamnus,* blooms Apr.–June in Eng.

Broome, 1] Willm., Eng. poet. ✓, assisted Pope in translation of Odyssey; * 1689, † 1745. 2] Fredk. Napier, journ. & misc. ✓, * 1842 Canada; sp. corr. of *Times.*

Broschi, Carlo (Farinelli), soprano singer, * 24/1 1705 Naples, † 15/7 82 Bologna.

Broseley, mkt. ⊙ Shropsh., on Severn, 4,500 inh.; coal, iron, clay.

Brother Jonathan, from Jonathan Trumbull, to whom Washington often appealed.

Brothers, Richd., Eng. fanat., * 1760, † 1824; wrote prophecies.

Brothers, The, group of 6 or 8 rocky isles S. of Perim, at entr. of Red Sea.

Brouckere, C. M. J. G. de, Belg. polit. & econ., * 1796 Bruges; presdt. of prov. govt. 30; minist. 31–32; estab. Belg. Nat. Bank 35.

Brough, Lionel, com. ☺, * 10/3 1836 Pontypool; journ. ✓; joined stage 64.

Brougham, Henry, Lord B. & Vaux, Eng. polit. & ⚖, * 19/9 1778 Edinburgh, † 7/5 1868 Cannes; admitted to Scot. bar 1800, to Eng. bar 1806; M.P. Camelford 10, Winchilsea 16; defended Q. Caroline 20; M.P. Yorksh. 30; Lord Chanc. 30; advocated Ref. Bill, negro emanc., & education; contributed to estab. Univ. of Lond. ✓.

Broughton, John Cam Hobhouse, Lord, * 27/6 1786, M.P. Westminster 1820, friend of Byron; Ir. Sec. 33, peer 51, † 3/6 69. ✓

Broughton, Rhoda, nov. ✓, * 1837. "Cometh up as a Flower."

Broughton Archipelago, islands E. of New Zealand, in Pacif. O., incldg. Chatham, Pitt's, & Cornwallis Isles.

Brouncker, Will., Viset. B., math., * *ca.* 1620, † 5/4 84.

Broussa, Bursa or Brussa, ⊙ Anatolia, at foot of ▲ Olympus; anctly. Prusa; cap. of Turk. Emp. till 1458; 70,000 inh.

Broussais, Franç. J. V., ✗, * 17/12 1772 St. Malo, † 17/11 1838 Paris; taught Brunonian syst. of pathol.; v. Brown, J.

Brouwer, v. Brauwer.

Brow Ague, ✗, migraine or hemicrania; combination of neuralgia & headache.

Brown, 1] John, Amer. patr. & abolit., * Torrington, Conn., 9/5 1800, orignatr. of insurr. at Harper's Ferry 59, hanged 2/12 59. 2] Dr. John, Scot. ✗ & essay ✓, * 1810, † 11/5 82 Edinburgh; "Horæ Subsecivæ" 58. 3] Dr. Thos., Scot. ⚗, * 9/1 1778 Kirkmabreck, † 2/4 1820 London, prof. of Mor. ⚗ Edinburgh. ✓. 4] John, ✗, * 1735 Buncle, † 88 London; finder. of Brunonian syst. of pathol., dividg. diseases into sthenic & asthenic. 5] Robt., ✗, * 21/12 1773 Montrose, to Austral. 1801, returned 05 with 4,000 new plants; † 10/6 58. 6] Chas. Brockden, Amer. nov. ✓, * 1771 Philadelphia, † 22/2 1810. 7] Ford Madox, Eng. ☻ of Pre-Raphael. sch., * 1841 Calais.

8] Sir Geo., Brit. ⚔ offr., * 1790, comm. light div. in Crimea, † 27/8 1865. 9] Henry Kirk, Amer. ☺, * 1814. 10] John, Amer. offr. of revol. war, * 1744, killed 1780. 11] John, Scot. †, * 1720, † 1787. ✓ "Dict. of the Bible." 12] Lancelot, landscape gardener, * 1715 † 1783; laid out Kew, Blenheim, &c. 13] Robt., finder. of Brownists; * 1549, † 1630. 14] Sir Samuel, Brit. ⚔ offr., * 1776, † 1852; inventor of chain cable; suspension bridge. 15] Tom, Eng. wit & satir. poet, * 1663, † 1704. 16] Benj. Gratz, Amer. journ. & polit., * 28/5 1826 Kentucky; govr. of Missouri 70. 17] Hugh Stowell, Baptist †, * 1823, Douglas, † 24/2 86. ✓. 18] Thos. Rich. philol., * 1791. ✓. 19] James Baldwin, Indept. †, * 1820, † 24/6 84. ✓ "The Higher Life."

Brown-Séquard, Edw., Fr. ✗ & physiol., * 1818 Mauritius, of Amer. & Fr. parents. ✓.

Browne, 1] Sir Thos., Eng. ✓ & ✗, * 19/10 1605 London, † 19/10 82. "Religio Medici," "Vulgar Errors." 2] Max Ulysses, Ct. von, Austr. genl., * 23/10 1705 Basle; † 26/6 57 Prague. 3] Willm. Geo., traveller, * 25/7 1768 London; to Egypt 1792, Darfur 93–96, As. Minor 97; murd. in Pers. 1813. ✓. 4] Sir Anthony, Eng. Rom. Cath. ⚖, * 1510; Chf. Just. of Comm.

Pleas 58, † 67. **5]** Geo., Prot. ✝, archbp. of Dublin 1535, deprived by Q. Mary, † 56. **6]** Count Geo. de, Ir. soldr. in Russ. serv., govr. of Livonia, † 1792. **7]** Willm., Eng. poet. ✓, * 1590, † 1645. "Britannia's Pastorals." **8]** Sir Willm., ♗, * 1692, † 1774; founded prizes & scholarships at Cambridge. ✓. **9]** Edward Harold, ✝, * 1811 Bucks; bp. of Ely 64, Winchester 73. ✓.

10] Hablot Knight ("Phiz"), com. ☻ & draughtsman, * *ca.* 1815; illustrated many of Dickens's novels; † 8/7 82. **11]** Rev. Henry, ✝ editor & crit., * 1804, † 19/6 75. **12]** John Ross, adventr. & travl. ✓, * *ca.* 1817 Ireland, † 8/12 75. "Washoe." **13]** Willm. Alex. F., ♗, * 1805 nr. Stirling; psychol. ✓.

Brownie, a domestic spirit in Scot. superstition; good-humoured.; dark-complexnd., as opposd. to fairy.

Browning, **1]** Elizabeth, *née* Barrett, Eng. poetess, * 1809 London, † 29/6 1861 Florence, m. Robt. B. 46; translta. of "Prometheus" 33, "The Seraphim" 38, "Casa Guidi Windows" 48, "Aurora Leigh" 50. **2]** Her husb., Robt. poet. ✓, * 1812 Camberwell. "Paracelsus," "Dramatic Idyls" 79, "Balaustion's Adventure," &c., &c.

Brownists, Prot. dissenters of reign of Elizabeth, from Rev. Robt. Brown, † 1630; absorbed by Independents.

Brownlow, W. Gannaway, Amer. journ. & polit., * 29/8 1805 Virginia, ("the Fighting Parson"), govr. of Tennessee 65, 67, † 29/4 77. ✓.

Brownson, Orestes A., Amer. ✍ & ✓, * 16/9 1803 Vermont; † 16/4 76. "Charles Elwood."

Bruat, Arm. J., Fr. adml., * 1796; comm. Fr. fleet in Crim. War; † 1855.

Bruce, **1]** James, travelr., * 14/12 1730 Stirlingsh., † 27/4 94; to Abyssinia, ✓ "Travels" 90. **2]** Michael, Scot. poet. ✓, * 27/3 1746 Kinnesswood, † 5/7 1767. **3]** Robert (senr.), † 1286 struggling for Scot. throne. **4]** His grd.-son Robert, * 21/3 1274, king of Scot. 27/3 1306, vict. at ⚔ Loudoun 07, at ⚔ Bannockburn 24/6 14, † 7/6 29. **5]** His s. David, * 1323, king 29, fled to Fr., returned & gained crown 42, † 22/2 71. **6]** Edw., Scot. ✝, & Master of the Rolls in Eng., * *ca.* 1549, † 14/1 1611. **7]** Edw., brother of **4**, crowned k. of Ireland 1315, † ⚔ nr. Dundalk 1318. **8]** Count Jam. Dan., Russ. ⚔ ☸, * 1670 Moscow, comm. artillery at Pultowa, † 1735. ✓. **9]** John Collingwood, ♛ & Ψ ✓, * 1805 Newcastle.

Bruch, Max, ♫, * 6/1 1838 Cologne, dir. of Philh. Soc. of Liverpool 80; composer "Odysseus," "Arminius."

Bruchsal, Bad. ⊙ on Saalbach, 11,400 inh.; ⚔ 2/4 1849.

Brucine, brucia, ♃, $C_{23}H_{26}N_2O_4$, alkaloid fnd. in *nux vomica* & false angostura bark; a tertiary base; bitter, poisonous.

Bruck, K. Ludwig, Bar. v., Austr. statesm., * 18/10 1798 Elberfeld; Min. of Comm., of Fin. 55; accusd. of fraud; † by suic. 23/4 60.

Brücker, J. J., ✍ ✓, * 22/1 1696 Augsburg, † 1770. "Historia Critica Philosophia."

Brueys, Franç. Paul, Fr. ⚓ offr., * 1753; command. fleet of Egypt. Exped. 1798; deftd. by Nelson 1/8, killed on board *L'Orient.*

Bruges, or Brugge, cap. ⊙ of prov. W. Flanders, Belg.; 50,000 inh.

Brugsch, H. Karl (B. Pasha), travlr. & Egyptol., * 18/2 1827 Berlin; 83 to East with P. Fred. Ch. of Pruss. ✓.

Brühl, **1]** Heinr., Ct. v., Saxon statesm., * 13/8 1700, † 28/10 1763. **2]** His s., Fried. Aloys, * 3/7 1739 Dresden, ♫, ☻, math. & ✓, † 30/1 93 Berlin.

Bruix, Eust., Fr. adml., * 1759, comm. fleet intend. for invas. of England; † 1805.

Brüll, Ignaz, ♫, * 7/11 1846 Prossnitz; composer operas.

Brumaire, in Fr. repub. calend., 22/10–21/11; 2nd mo. of year.

Brun, *v.* Le Brun.

Brun, Sophie C. Frederica, *née* Münter, Dano-Germ. ✓, * 1765, † 1835.

Brunanburh (? Brumby) Lincolnshire; ⚔ 937, Danes defd. by Athelstan.

Brundusium, *v.* Brindisi.

Brune, Guill., Fr. marsh., * 13/3 1763 Brive; brig.-genl. in Ital. 96; assistd. establmt. Helv. Repub. 98; comm. Ital. army 1800; govnr. of Hanse towns 6; murd. at Avignon 2/8 1815 by Roy. mob.

Brunehaut, *v.* Brunhilda.

Brunei, a sultanate of Borneo; 500,000 inh.

Brunel, 1] Isambard Kingdom, ⚙, * 9/4 1806 Portsmouth, † 15/9 59; designed Cardiff Docks, bridge at Saltash, Clifton Susp. Bridge, *Great Eastern* s.s. 54–59. **2]** His father, Sir Mark Isambard, ⚙, * 25/4 1769 Hacqueville, nr. Rouen; went to Amer., retd. 1799; constructed Thames Tunnel 25–43, kntd. 41, † 12/12 49 London.

Brunelleschi, Filip., △, * 1377 Florence, † there 1446; designed cathedral at Florence.

Brunhild, in *Walküre & Nibelungenlied,* w. of Gontram of Burgundy.

Brunhilda (Brunehilde), or Brunehaut, Q. of the Franks, w. of Sigisbert of Austrasia, dau. of Athanagild, k. of West Goths, † 613, executed by Clothaire.

Bruni, Leonardo, ✍ ✓, * 1369 Arezzo, chanc. of Florence 1427, † 44.

Brünig, pass in Swiss Alps; 3,285 ft.

Brunn, or Bruno, ⚙ ⊙ cap. of Morav., Austr.; 83,000 inh.

Brunnow, Ern. Phil., Ct. v., Russ. diplom. of Germ. birth, * 31/8 1797 Dresden, † 12/4 1875 Darmstadt; ambass. to Eng. 40–54, 58–71. To Frankfort 55, Berlin 56.

Brünnow, Franz Fried. E., * 18/11 1821 Berlin; prof. of ✱, Dublin 66.

Bruno, St., fnder. of Carthusians, * *ca.* 1030 Cologne, † 6/10 1101 in Calabria; canonised 1628.

Bruno, Giordano, Ital. pantheist. ✍, * *ca.* 1548 Nola, traveld. in Fr., Eng., & Germ.; burned for heresy, † 16/2 1600 Rome. ✓.

Bruno the Great, * 925, archbishop of Cologne 53, dk. of Lorraine, s. of Henry the Fowler; reformed monasts.; † 965 Rheims.

Brun-Rollet, Ant. (El Kawadja Yakoob), Savoy. travl., * 1810, † 1858 Khartoum; to Egypt & Khartoum 31. ✓.

Brunswick, Braunschweig, duchy of N. Germ., pt. of Germ. Emp., 1,526 s.m., 350,000 inh.; ⛰ Harz; ⚓ s, Weser, Leine, Oker. Cap. ⊙, B. ✍: Pt. of Duchy of Sax.; duchy 1235 divid. betw. 2 brothers; orig. of 2 lines, old B. & old Luneburg; lines united; by Treaty of Tilsit, B. united to kingdom of Westphalia; restoration of older line; revol. 48; joined Pruss. agst. Austr. 66; joind. Pruss. agst. Fr. 70; last dk. † 18/10 1884 without recognised heir; P. Albrecht of Pruss. appointed regent.

Brunswick, 1] Cap. ⊙ of Duchy of B., on Oker, 75,000 inh.; castle, museum, libr., mnf. **2]** ⊙ Maine, U.S.A., on Androscoggin; Bowdoin College; 12,000 inh.

Brunswick, House of, descends from Albert Azo I., margrave of Este, † 964. His great-great-grd.-s. Guelph obtained duchy of Bav. & fnded. H. of Guelph, † 1101. His descendts. acquird. Austr., Bruns., & Sax. Henry the Lion lost Bav., Sax., & Aust. 1179. His s. Willm. succed. in Brunswick. His s. Otho fnded. modern dyn. as 1st dk. of Brunswick 1235. At death of Ernest the Pious 1546, Brunsw. div. into B. Wolfenbüttel & B. Luneburg under Willm., younger s. of Ernest. Ernest Augustus, a descendant of Will., created 9th elector of Empire 1692; his s. George Ludwig succed. to throne of Grt. Brit. by virtue of his maternal desct. from James I. 1714.

Brunswick, Fried. W., dk. of, * 1771, † ⚔ Quatre-Bras 1815.

Brunswick-black, compositn. of lamp-black & turpentine, for blacking iron.

Brunswick-green, green pigment; cupric oxychloride.

Brunswick-Lüneburg, C. W. Ferd., dk. of, * 1735, comm. allied arms in invas. of Fr. 92–94; comm.-in-chief of Pruss. army 1806; mort. wounded Auerstadt, † 1806.

Brunswick - Lüneburg - Bevern, Aug. Will., dk. of, genl. under Fred. the Grt., * 1715, † 81.

Brunton, Mary, *née* Balfour, Eng. nov. ✓, * 1778, † 1818. "Self-Control."

Brussels, Bruxelles, or Brüssel, cap. ⊙ of Belg., on Senne; with 8 faubourgs, 400,000 inh.: canals, palace, cathed., conserv., libr., Pal. of Fine Arts, observ., Hôtel de Ville, 14th cent.; statues, fountains; carpets, lace. Besieged by Fr. 1695; annexed to Netherlands 21/9 1815; revol. 30; cap. of Belg. 21/7 31.

Brussels Sprouts, small heads of a spec. of cabbage introd. from Belgium.

Brut y Tywysogion, anct. Welsh chronicle of events 681–1282.

Brute, or Brutus, fab. king of Britain, grandson of Æneas; finder. of New Troy (London).

Bruttium, anct. ⬡, now Ital. prov. of Calabria Ulteriore.

Brutum Fulmen, Lat. = a senseless thunderbolt.

Brutus, 1] Lucius Junius, neph. of Tarquin, king of Rome; roused Rome to avenge shame inflicted by king's s. Sextus on Lucretia, w. of Collatinus; & overthrew govt. 500 B.C.; elected consul, † 509 B.C. **2]** Marcus Junius, neph. of Cato, * 85 B.C.; sided with Pompey agst. Cæsar; pard. by Cæsar after ⚔ Pharsalia; murd. Cæsar 15/3 44; deft. ⚔ Philippi by Anthony & Octavianus, & † by suic. 42.

Bruyère, J. la, Fr. ✓, * 1644 nr. Dourdon, † 10/5 96. "Les Charactères" 87.

Bryant, 1] Will. Cullen, Amer. poet. ✓, * 3/11 1794 Cummington, † 12/6 1878 Long Island; editor N. York *Evening Post.* "History of the U.S." **2]** Jacob, ✍, Ψ, & crit. ✓, * 1715 Plymouth, † 14/11 1804.

Bryce, James, * 1838, Prof. of Civ. ⚖ Oxford, M.P. 1880. ✓ "The Holy Roman Empire."

Brydges, Sir Sam. Egerton, Eng. schol., Ψ, & misc. ✓, * 1792, † 1837; created bart. 14.

Brydone, Patrick, Scot. travlr., * 1743, † 1818. "Tour in Sicily & Malta."

Bryonia, ✾, bryony, gen. of plants of ord. *cucurbitaceæ*, incldg. *B. dioica*, common bryony, climb. plnt. with red berries; Brit.

Bryozoa, or Polyzoa (*q.v.*).

Bubastis, Egypt. myth., dau. of Isis & Osiris, identified with Diana. Temple at B. (now Tel Basta); represntd. with cat's head.

Bubo, ✾, hardening of a lymphatic gland. In zool., gen. of owls, horned, incldg. Eagle Owl, *B. maximus.*

Buccaneers, origlly. Fr. settlers in St. Domingo, who used dried flesh (*boucan*); piratical adventurers who attacked Sp. possessns. in S. Amer.; filibusterers. Chief B s: Montbars, Raveneau de Lussan, Rich. Sawkins, John Watling, Peter of Dieppe, Bartolommeo Portuguez, François l'Olonnais, Mansvelt, Henry Morgan, Basil Ringrove, William Dampier. Suppresd. by Treaty of Ryswick 1697.

Buccina, anct. mil. ♨ instr. of cornet species.

Buccinator, anat., a muscle forming a large part of the cheek; used in blowing.

Bucellas, Port. villg. nr. Lisbon, producing light white wine.

Bucentaur, galley of the Doge of Venice, from which he wedded the sea, 100 ft. × 21 ft.; with 168 rowers, 4 to an oar, & 40 sailors.

Bucephalus, the war-horse of Alex. the Grt. ⊙ Bucephala, in N. Ind., founded in its memory.

Bucer, Martin (M. Kuhorn), Germ. reformer, * 1491 nr. Strasburg, † Cambridge 27/2 1551, friend of Luther, afterw. of Zuingli; prof. of † at Camb. 49; translatd. Psalms. ✓.

Buchan, Willm., ⚕, * 1729, † 1805. ✓ B.'s "Domestic Medicine."

Buchanan, 1] Geo., Scot. Latinist, poet, & ♛ ✓, * 1506 Killearn, † 28/9 82 Edinburgh, tutor of Q. Mary & James I.; "History of Scotland," "De Jure Regni" 79, Lat. trans. of Psalms. 2] James, * 13/4 1791 Stony-Batter, Penn., membr. of Congress 20, of Senate 33, Sec. of State 45, Presdt. of U.S. 57–61, † 1/6 68. 3] Claudius, ⚕, * 1756, † 1815, writer on Ind. topog. & statist. 4] Franklin, Confed. ☆ offr., * ca. 1800, superint. of Nav. Acad. 45–47, capt 55, joind. Confed.; commd. *Merrimac* in ⚔ Hampton Roads, wound. & captd. at Mobile 64. 5] Sir Andrew, Brit. dipl., * 1807, minister to Switz. 52, to Copenhagen 53, to Madrid 58, to Holl. 60, to Berlin 62, to Petersburg 64, to Vienna 71–77, † 13/11 82 6] Robert, poet, ☉ & rom. ✓, * 18/8 1841. "Shadow of the Sword" 76, "God and the Man."

Bucharest, cap. ⊙ Roumania, on Dimbovitza; 230,000 inh.

Bucher, 1] Lothar, polit., * 25/10 1817 Neustettin, memb. of Berlin Parlt. 48, fugitive in London 50–59, secretary to Bismarck 64. ✓.

Buchner, Max, Afr. travelr., * 25/4 1846 Munich.

Büchner, 1] Geo., ☾ ✓, * 17/10 1813 Goddelau, † 19/2 1837 Zurich. 2] His brother F. R. C. L., nat. ⚗ and materialist. ✓, ⚕, * 29/3 1824 Darmstadt. "Force and Matter" 55. 3] His sister, Louise, ✓, * 1823 Darmstadt, † 1877.

Buchu, S. Afr. name for several specs. of *barosma;* in ⚕, diuretic.

Buck, the male of the fallow-deer, or of the goat, rabbit, &c.; the male of red-deer is stag or hart.

Buck-bean, or Marsh Trefoil, ⚕, *menyanthes trifoliata,* common in Brit.; used in Swed. as substit. for hops.

Buck-eye, or Amer. horse-chestnut, ⚕, *æsculus ohioticus,* poisonous.

Buckshot, shot, *ca.* 165 = 1 lb.

Buckskin, soft leather, yellow or grey; orig. from deer, now from sheep.

Buckthorn, ⚕, *rhamnus;* berries give dye; leaves of Chinese spec. used as subst. for tea.

Buckwheat, or Brank, ⚕, *polygonum fagopyrum,* orig. of Asia; flowers used in As., Eur., & Amer. for making bread; seeds for feeding poultry & horses.

Buckhurst, *v.* Sackville.

Buckingham, formerly chf. ⊙ Buckinghamsh. or Bucks, Engl., on Ouse; 6,900 inh.

Buckingham, 1] Geo. Villiers, dk. of, fav. of James I., * 20/8 1592, murd. 24/8 28. 2] His s. Geo., * 30/1 1627, imprisoned by Cromwell, memb. of Cabal Ministry 69, † 17/4 88. ✓. 3] Rich. Plantagenet Grenville, dk. of B. & Chandos (Lord Temple), * 11/2 1797, Tory, peer 39, minist. 41, † 29/7 1861. 4] His son, Rich. Plantagenet Grenville, * 10/9 1823, Ld. of the Treasury 52, Col. Minist. 67, Govr. of Madras 75–80. 5] John Sheffield, dk. of Normanby & Buckinghamshire, * 1649, † 24/2 1721, poet. ✓.

Buckingham, 1] James Silk, adventr. & journ. ✓, * 1786 Falmouth, establd. *Athenæum,* M.P., 32–37, lecturer, † 1855. 2] Joseph Tinker, Amer. journ. ✓, * Windham, Conn. 1779, establd. *Boston Courier* 1824 & *New England Magazine,* † 1860.

Buckinghamshire, or Bucks, inland co. of Eng.; agric., lace, thread, straw, chairs; 722 s.m., 173,000 inh.; rets. 3 membs. Parlt., Mid (Aylesbury), N. (Buckingham), S. (Wycombe). Chf. ⊙ Aylesbury.

Buckland, 1] Wm., ⚒ & †, * 12/3 1784 Axminster, dean of Westminster, † 24/8 1856. ✓ "Vindiciæ

Geologicæ" 20, "Bridgewater Treatise" 36. Originator of theory of glacial action. ✓. **2]** His son, Franc. Trevelyan, zool., * 17/12 1826 Oxford, Inspector of Salmon Fisheries, † 19/12 1880. ✓ "Curiosities of Natural History."

Buckle, 1] Hy. Thos., ✓, * 24/11 1821 Lee, † 29/5 1862 Damascus. "Hist. of Civilization in England" 57–61. **2]** Geo. Earle, * 1854, ed. of *Times* 84.

Buckley, Theod. W. Alois, ✓ & class. editor, * 1825, † 1856.

Buckman, James, ⚘, agricult. & ⚒ ✓, * 1816 Cheltenham, † 23/11 84.

Buckminster, Jos. Stevens, Amer. ✝ & crit. ✓, * 1784, † 1812.

Buckram, coarse linen cloth, stiffened with glue.

Buckstone, John Baldwin, Eng. com. ☉ & ☉ ✓, * 1802 Hoxton, manager of Haymarket Th. 1853, † 31/10 79. *Green Bushes, Flowers of the Forest.*

Bucolic, relating to rural affairs; esp. of a poem, *e.g.* the Bucolics of Theocritus & Virgil.

Buda-Pesth, 2 ⊙s, one on either side of Danube, which together form the cap. ⊙ of Hungary. Buda, or Ofen, on W. side, anct.; connected by suspen. bridge with Pesth, univ.; seat of Diet; 362,000 inh. ♛: Destroyed by Mongols 1241, Turk. possessn., Turks expelled 1686, towns united 1873.

Budaun, distr. of Rohilkhand, divis. of N.W. Provs., Brit. Ind., ceded 1801 by Oudh; rice, wheat, cotton; 950,000 inh., chfly. Hindus.

Buddha, "the Enlightened One," Sakya-muni, Gautama, Sakyasinha, or Siddharta, founder of relig. of Buddhism, * *ca.* 550 B.C. Kapilavastu, in N. Ind., son of king of race of Sakya; traveld. preaching that by abstinence, good works, & meditation men might attain to repose of Nirvana; fnded. ords. of monks; † *ca.* 470 B.C. Kusinara.

Buddhism, the religious teaching estabd. by Buddha; made grt. prog. in India, esp. under K. Asoka, in N. Ind., 3rd cent. B.C.; spread to Ceylon, Nepaul, Bhootan, Further India, Thibet, China, Japan.

Budding, operatn. in horticult. by wh. branches of one kind are made to grow upon the stem of another, when both are nearly related botanically.

Buddle, *v.* Bothel.

Budé, or Budæus, Willm., schol. & dipl., * 1467 Paris, † 1540, friend of Erasmus. ✓.

Bude Light, prod. by driving oxygen gas through centre of argand flame of coal-gas; invntd. 1839 by Sir G. Gurney, of Bude.

Budgell, Eustace, Eng. journ. ✓, * *ca.* 1685 nr. Exeter, contribtd. papers signed X. to the *Spectator;* † by suic. 1736.

Budget, statement of financial condition & needs of a nation, genlly. yearly; includg. account of income & expendit., & scheme of taxation. Made in Eng. by Chanc. of Exchequer.

Buell, Carlos, Amer. Fed. genl., * 23/3 1818 Ohio, lieut.-col. 61; took part in 2nd ⚔ Shiloh, & ⚔ Perryville; resigned commission 64.

Buenos Ayres, cap. ⊙ Argentine Repub., S. Amer., on Rio de la Plata, 150 m. from Atlantic; 250,000 inh. ⚙s surprised by Brit. 28/6 1806, recaptured by inhabs.

Buffalo, zool., the gen. *Bubalus.*

Buffalo, ⊙ New York, U.S.A., on Lake Erie & Niagara ⚓; grain, cattle, lumber, coal; 170,000 inh.; univ.

Buffet, Louis Joseph, Fr. polit., * 26/10 1818 Mirecourt, memb. Constit. Assemb. 48, minist. of agricult. 48–49, memb. of Corps Legisl. 63, Fin. Minist. 70, Presdt. of National Assembly 4/4 73.

Buffon, Geo. L. Leclerc, Ct. de, zool., ⚙, & ⚘, * 7/9 1707 Montbard, † 15/4 88 Paris, keeper of Roy. Mus., Paris, 39. ✓ "Natural History" 49–67.

Bug, entom., the gen. *cimex*, espec. the bed-bug, *C. lectularius*. More broadly, any member of sub-order *heteroptera*. In U.S., insects generally.

Bugbane, buck-bean (*q.v.*).

Bugeaud, T. Robt., dk. d'Isly, Fr. marsh., * 1784, corporal at Austerlitz, capt. at Tarragona, col. in 100 days, sent to Algeria 36, govr.-genl. 41, deftd. Abd-el-Kader, † 49.

Bugenhagen, Joh. (Dr. Pommer), Germ. reform., * 24/6 1485 Wollin, † 20/4 1558 Wittenberg; friend of Luther. / "History of Pomerania."

Buggalow, Ind. vessel with one mast & lateen sail.

Bugge, Thos., Dan. ✠, * 1740, † 1815. /.

Buggy, light one-horsed four-wheeled carriage, without hood, & with one seat.

Bugle, metal wind instrument, sometimes keyed, used in ✕ for signal calls for infantry.

Buhl, or Boule, *v.* Boule, C. A.

Buhrstone, or burrstone, rock resembling coarse chalcedony, used for millstones.

Buitenzorg, ⊙ Java, nr. Batavia, seat of Dutch government.

Bukowina, prov. of Aust., E. of Hung., *ca.* 4,000 s.m.; 574,000 inh.; agric., ⚒. Cap. ⊙ Czernowitz.

Bulandshahr, distr. of Meerut divisn. of N.W. Provs. of Brit. Ind., 1,910 s.m.; 960,000 inh.; cotton, indigo, sugar. Chf. ⊙, B., or Baran.

Bulb, ❀, a bud, usually formed underground, having fleshy scales, & separable from the parent plant; sometimes produced on the stem.

Bulbul, in Pers., a sp. of true nightingale. Any bird of sub-fam. *pycnonotinæ*; some spec. are kept for fighting.

Bulgaria, principality of E Europe, in Balkan penins.; autonomous, but trib. to Turkey, creatd. by Treaty of Berlin 13/7 1878; 24,700 s.m., 2,000,000 inh. Cap. ⊙ Sofia. ⊙s: Rustchuk, Tirnova, Widdin, Schumla, Gabrovo, Sistova, Varna, Silistria, Loftcha. ♛: 1391 Turkish, occupied by Russians 1877–8–9, ruler Prince Ferdinand of Coburg, elected 87. Army 80,000 men; Rys. 130 m.; rev. & expend. *ca.* £1,235,500.

Bulgarine, Thad., Russ. rom. & ✍ /, * 1789, † 13/11 1859.

Bulimia, ✗, insatiable appetite.

Bulkhead, ⚓, in ships, a close partition of boards or sheet-iron.

Bull, a letter, edict, or rescript of the Pope, referring to matters of justice or grace, & sealed with the *bulla*.

Bull, 1] John, Eng. ♫ composer & organist, * 1563 Wells, org. to Queen's Chapel 91, Mus. Doc. Camb. 92, org. to James I. 1607, org. to cathed., Antwerp, 17, † 1628; supposed adaptor of Eng. Nat. Anthem. **2]** Ole Bornemann, violinist, * 5/2 1810 Bergen, † 18/8 80, Amer.; pup. of Paganini. **3]** Geo., Eng. † /, * 25/3 1634 Wells, bp. of St. Davids 1705, – 17/2 09. **4]** Geo. Stringer, † & philanth., * 1799, † 1865. /.

Bull-dog, a var. of the common dog, *canis familiaris*; var. *taurinus* or *molossus*.

Bullfinch, ornith., *pyrrhula vulgaris*, called norskpipe, coal-hood, hoop, alp; eggs bluish-white, speckled & streaked with purplish-brown; good songster.

Bull-frog, any frog w. a deep croak; esp. the Amer. *rana pipiens*, & the *R. ocellata*, *R. clamitans*, *R. grunniens*.

Bull-head, ichth., a large-headed fish. The river B., *cottus gobio*, or miller's thumb or Tommy Lugge.

Bull Run, sm. ⚔ nr. Washington, U.S. ✕s 21/6 1861, Feds. defeated; ✕ 29–30/8 62 Feds. deftd.

Bull Trout, grey trout, or round-tail, *salmo eriox*; Brit.

Bullace, ❀, *prunus communis*, var. *insititia*, akin to the sloe.

Bullen, or Bulleyn, *v.* Boleyn.

Buller, 1] Charles, Eng. ✍ & polit., * 1806 Calcutta, M.P., wit, orator; Judge-Adv. 46, preadt.

Poor Law Comm. 48, † 48. 2] Sir Fras., ♈ & judge, * 1746, bart. & Judge of Comm. Pleas 94, † 1800. 3] Redvers Hy., Brit. genl., V.C. 1879, K.C.M.G. 82, maj.-genl. 84, Und.-Sec. for Ireland 86–87, Qtr.-Mast.-Genl. 87.

Bullion, gold & silver brought to a standard of purity, but uncoined. Metallic money.

Bullock, Rev. Chas., † / & editor, * 1829.

Bulmer, Willm., Eng. typog., * 1746, † 1830; friend of Bewick.

Bülow, 1] Fr. Willm., Baron v., Ct. Dennewitz, Pruss. genl., * 16/2 1755 Falkenburg, † 25/2 1816 Konigsberg. 2] Hans v., pianist, * 8/1 1830 Dresden; composer & ♅ /.

Bulrush, ♅, the gen. *typha*, or reed-mace: the gen. *scirpus*, or club-rush.

* **Bulwer,** 1] ♃, first made public in Eng. art of communicating knowledge to deaf & dumb. / "Philocophus" 1648. 2] Henry Lytton Earle, Lord Dalling, diplom., * 1804; ambas. to Madrid 43, min. to Washington 48, effected Bulwer-Clayton Treaty; amb. to Constantinople 57–65, created peer 71, † 1872. /. 3] His brother, Edward Bulwer, *v.* Lytton, Lord.

Bum-bailiff, a bailiff *bound* to the sheriff by sureties.

Bundelkhand, tract of N.W. Provs. of Ind., ptly. native states & ptly. Brit. distrs.; 2,500,000 inh. Brit. B. inclds. Hamirpur, Jalaun, Jhansi, Banda, & Lalatpur; 2,162,000 inh.

Bundi, Rajput state of Ind., 2,291 s m., 225,000 inh.

Bungalow, house of one floor, genlly. thatched, & provided with verandahs.

Bunker's Hill, Charlestown, nr. Boston, U.S.A. ✕ 17/6 1775.

Bunning, Jas. Bunstone, △, * 1802, † 63; clerk of City of London Works; blt. Met. Cattle Mkt.

Bunsen, 1] Christ. Karl Jos., Bar. v., Germ. ⚭, diplom. & schol., * 25/8 1791 Waldeck, † 28/11 1860 Bonn; Pruss. amb. to Eng. 41–54; / "The Church of the Future" 45, &c. 2] His s. Geo., polit. & econ., * 1824; memb. of Pruss. parlt. 62, assisted in establng. Secessionist party. 3] Robt. Willm., ⚗, * 31/3 1811 Gottingen; prof. at Heidelberg 52, greatly extend. ⚗ knowledge; with Kirchhoff, discovered spectrum analysis /.

Bunsen's Burner, burner so arranged that gas & air may be consumed in such proportions as to give a non-luminous flame.

Bunt, or stinking-rust, fungus, *tilletia caries*, which fills grains of wheat with black powder.

Bunting, Edw., Irish ♅, * 1773, † 1843. / "The Ancient Music of Ireland" 40.

Bunting, ornith., Eng. name of *emberizinæ*, esp. *E. miliaria*. Also applied to yellow-hammer, &c.

Bunting, thin woollen fabric for flag-making.

Bunyan, John, Eng. † /, * 1628 Elstow, nr. Bedford; joined Baptists 55, imprisoned at Bedford for Nonconf 60, † 31/8 1688 London; statues at Westminster & Bedford. "Pilgrim's Progress," "Holy War," &c.

Bunzlau, Silesia. ⊙ on Bober, 10,500 inh. ✕ 30/8 1813.

Buonarotti, Phil., Ital. patr., * 1761 Pisa, † 1837 Paris. /.

Buonarotti, *v.* Michael Angelo.

Buoy, ⚓, a floating body used as a mark in places frequented by shipping; wood or iron cask moored to bottom; sometimes with bell, to warn off from danger. *Life-buoy*, a light buoy, genlly. annular, for throwing to a person in danger of drowning, or for wearing in the water.

Burbage, Richd., Eng. trag. ☉, s. of James B., also ☉, * ca. 1568, † 13/3 1620.

Burbot, ichth., fresh-water fish, *lota vulgaris*; called eel-pout.

Burckhardt, Joh. Ludw., Swiss travlr., * 24/11 1784 Lausanne; sent by Eng. Roy. Soc. to

Syr., Nub., Arab., & Egypt, † 15/10 1817 Cairo. ✓. Left Orient. MSS. to Univ. of Camb.

Burden, *v.* Tonnage.

Burdett, Sir Fras., Eng. polit., * 1770, † 1844; M.P. 1796, till 1837 Radical, then Conserv., m. 1793 Miss Coutts, by wh. he was father of the Baroness Burdett-Coutts.

Burdett-Coutts, 1] Angela, Baroness, philanth., * 1814, youngest dau. of Sir F. Burdett, & granddau. of Thos. Coutts. Built & endowed St. Stephen's Ch., Westminster, endowed bprics. of Adelaide, Cape Town, Brit. Columbia, supplied funds for survey of Jerusalem, erected model dwellings, presented Columbia Mrkt. to Corp. of Lond., blt. drinking fountains, assisted emigratn.; creatd. peeress 71; married 81 to 2] W. L. Ashmead-Bartlett (who assumed her name), * in Amer. *ca.* 1841, M.P. 85.

Burdock, ♃, Eng. name of *arctium.* Common B., *A. lappa.*

Burdon, J. Shaw, * 1826, bp. of Victoria, Hong-Kong 78.

Burdwan, *v.* Bardwan.

Bure, Scand. myth., the first woman.

Buren, Martin van, * 5/12 1782 Kinderhoof, N. York; memb. Congress 1821, govr. of N. York 29, Vice-presdt. 32, Presdt. of U.S. 37–41, † 24/7 62 Lindenwald.

Burgage Tenure, Eng. *jur.* tenure of tenements in boroughs, held by rent or services relating to trade or craft, but non-military & non-agricultural.

Bürger, 1] Gottfr. Aug., Germ. poet. ✓, * 31/12 1747 Molmerswende; made 3 unhappy marrs; prof. at Gottingen 89, † in want 8/6 94. Pop. poetry, esp. ballads; "Leonore." 2] Hugo (Lubliner). ✓, * 22/4 1846 Breslau.

Burgess, Thos., Eng. †, * 1756, bp. of St. Davids 1803, of Salisbury 25, † 37. ✓.

Burgh, in Scotl., a ⊙ endowed with privileges by charter, prescription, or legislatn.; a borough. A Royal B. has its rights conferred by charter from the Crown. A Parliamentary B. sends a represtv. to Parlt.

Burgh, Hubert de, Ang.-Norm. statesm., Chamberlain to K. John 1199, Justiciar 1215, defend. Dover & deftd. Fr. in Channel 16, Regent of Eng. 19, created earl of Kent 27, govnd. Eng till 32, disgraced, recalled 34; great patriot; † 1243.

Burgh Castle, anctly. Garianonum, Rom. encampmt. in Suffolk, on Waveney, with rubble walls faced with brick & flint.

Burghley, *v.* Burleigh.

Burgkmair, Hans, ⊕ & wood engravr., * 1473 Augsburg, † there 1531.

Burglary, Eng. *jur.*, breakg. in by night with intent to commit felony.

Burgmüller, Nor., ♪, * 14/1 1808 Dusseldorf, † 7/5 36 Aachen; composd. symphon., songs

Burgomaster, Burgermeister; in Germ. & Holl., an officl. corresponding to Engl. mayor.

Burgon, John Willm., † & Ψ ✓, * *ca.* 1819, dean of Chichester 75, † 4/8 88.

Burgos, ⊙ Sp., on Arlanzon, formerly cap. of kingdm. of Castile; hats; 25,000 inh. Prov. of B. *ca.* 7,000 s.m., 340,000 inh. ✕ 10/11 1808; besieged by Wellington 19/9–29/10 1812.

Burgoyne, 1] John, Brit. genl. & ✓, * 1730; M.P. 61, colonel 68, appointed to comnd. expedition from Albany to Canada, forced to surrender at Saratoga 77, comm.-in-chief in Ireland 82, † 92. 2] His s. Sir John Fox, Brit. genl., * 1782 Ireland; entered Roy. Eng. 98, served in Spain, New Orleans, Portugal; Insp.-Genl. of Fortifications 45, chf. eng. in Crimea 54; creatd. bart. 55, Const. of Tower, † 7/10 1871.

Burgsdorf, Fried. Aug. L. v., arboricult., * 23/3 1747 Leipzig, † 18/6 1802 Berlin. ✓.

Burgundy, or Bourgogne, anct. prov. of Fr., incl. depts. of Ain,

Seine-et-Loire, Côte-d'Or, & pt. of Yonne. ⊙s: Auxerre, Dijon, Mâcon, Bourg. ♛: Old Burgundians, a Germ. race, fnded. kingdom bnded. by Vosges, Rhone, Saone, & Mediterranean; B. French 534, pt. of Neustria; later kingdom under Fr. protectn.; Burgundian Emp. fnded. 887 by Rudolf I.; pt. of Germ. Emp. 1034; in 14th cent. divd. into sev. small states; the Duchy of B. fnded. at beginning of 10th cent. by Richd. of Autun; B. French; again independ. 1363; finally Fr. 1678.

Burgundy, Louis, dk. of, * 6/8 1682 Versailles, † 18/2 1712, father of Louis XV.; patron & pupil of Fénélon.

Burgundy, wine from the old prov. of B., chiefly red; best kinds, Clos-Vougeot, Chambertin, Romanée, Pommard, Chablis, Cartan, &c.

Burgundy Pitch, resin of pine, & esp. of Norw. spruce-fir; used as stimulant & irritant in ℞.

Buridan, Jean, scholiast, * 1300 Béthune, † 58. Gives name to B.'s Ass, which being placed betw. two equal bundles of hay could not make up its mind which to eat, & so starved. B. taught that there must be a reasonable motive for all actions.

Burigny, J. Levesque de, philol., ♗, & ♛ /, * 1692 Rheims, † 1785 Paris.

Burin, cutting tool for engraving on metal.

Burke, 1] Edm., orator, ♗, & statesm., * 12/1 1729 Dublin; M.P. Wendover 65, paymaster of forces & P.C., prosecuted Warren Hastings 88–95, retired 94 to Beaconsfield, pensioned 95, † 8/7 1797 Beaconsfield. / "Reflections on the Fr. Revolution," "On the Sublime & Beautiful" 57, &c. 2] Robt. O'Hara, Austral. explor., * 1812 St. Cleram, Irelnd.; attemptd. to cross Austral., † in returning 28/6 61; monument in Melbourne. 3] Sir John Bernard, Ψ & /, * 1815 London; Ulster King of Arms 1853, govr. of Nat. Gall. of Ireland 74. "The Landed Gentry."

Burke, To, to choke, stifle; from B., a murderer, who w. Hare, was convicted at Edinburgh & executed 28/1 1829. His object had been to obtain bodies for the anatomists.

Burkersdorf, villg. Silesia; ✕ 20/7 1762.

Burleigh, or Burghley, Willm. Cecil, Lord, Eng. statesm., * 13/9 1520 Bourne; Sec. of State 48, creatd. baron 71, & made Lord High Treasurer; † 4/8 1598.

Burlesque, turning into ridicule; farcical; esp. of comic verse of a low class.

Burletta, comic opera; musical farce.

Burlington, Rich. Boyle, Earl of, ♗, * 25/4 1695, † 1753; built front & colonnade of old B. House, & Assembly Room, York.

Burmah, or kingdom of Ava, until recently an indep. kingdm. in Indo-Chin. penin.; pt. ceded to Eng. 1826, 52; remainder conqrd. & annexd. by Gt. Brit. 1/1 86, the k., Theebaw, having been deposd. & captd. Annexation proclaimed 6/8 86; ca. 280,600 s.m.; ca. 8,000,000 inh. Rice, cotton, indigo, sugar, grain, gold, silver, iron, coal. Relig., Buddhist. Seats of govmt. Rangoon & Mandalay. Rys. 330 m.

Burman, Pet., philol., * 6/6 1668 Utrecht, † 31/3 1741. /.

Burmeister, Herm., natlist., ⚒, & travlr., * 15/1 1807 Stralsund; to Braz. & Argent. Repub.; prof. at Cordova. /.

Burn, Rich., ✝ & ⚒ /, * ca. 1710 Winton, † 85 Orton. "The Justice of the Peace."

Burn's Hill, Kaffrland, S. Afr. ✕ 1847, Brit. deftd. by Sandilli.

Burnaby, Fredk. Aug., Brit. ✕ offr., * 1842, entered Roy. Horse Guards; capt. 66, maj. & lt.-col. 80, lieut.-col. 81; rode to Khiva 75, explored As. Min. 76, Conserv. cand. for Birmingham 80, present at ✕ El Teb 84, killed at ✕ Abu Klea 17/1 85. / "A Ride to Khiva."

Burnand, Frs. Cowley, com. ✆ / & journ., * 1837, editr. of *Punch* 80. "Happy Thoughts."

Burnel, Robt., Chanc. of Eng. 1274–92; govr. of Wales, † 92.

Burnes, Sir Alex., Brit. offr. & Asiat. explorer, * 1805 Montrose; Brit. resdt. at Cabul 39, assassd. 41. /.

Burnet, 1] Gilbert, †, * 18/9 1643 Edinburgh, bp. of Salisbury, † 17/3 1715 London. / "History of the Reformation" 1679–81; "Hist. of His Own Times," &c. 2] Thos., ♁ /, * 1635 Croft, † 7/9 1715, master of the Charterhouse. 3] James, *v.* Monboddo. 4] Willm., eldest s. of 1 * 1688, govr. of New York 1720, of Mass. & N. Hampshire 28, † 29.

Burnet, ♃, *poterium*, or salad-burnet, plt. with taste of cucumber.

Burnet-moth, entom., *anthrocera*, a gen. of hawk-moths.

Burnett, 1] Gilbert, ♃, * 1800, † 35. / "Outlines of Botany." 2] Waldo Irving, Amer. scient. /, * 1828, † 54. 3] Frances, *née* Hodgson, nov. /, * 24/11 1849 Manchester; m. Dr. B. 73. "That Lass o' Lowrie's."

Burnett's Disinfectant, a solution of chloride of zinc.

Burney, 1] Charles, ♛ composer & /, * 7/4 1726 Shrewsbury; organ. of Chelsea Hosp., † 12/4 1814 Chelsea. "General Hist. of Music." 2] His dau. Frances, Mme. d'Arblay, /, * 1752 King's Lynn, † 1840 Bath; "Evelina," "Cecilia," "Diary." 3] Her brother James, Brit. ⚓ offr., * 1749, † 1821; comp. of Capt. Cook.

Burning-glass, any convex lens or concave mirror which can be used to collect into a focus the rays of the sun, &c.

Burnley, ⊙ Lancash.; cotton; 71,000 inh. Rets. 1 M.P.

Burnouf, 1] Eug., Orient., * 12/8 1801 Paris; prof. there, † there 28/5 52. / "History of Buddhism." 2] His father, J. Louis, philol., * 1775, † 1844. /. 3] Em. Louis, philol., * 25/8 1821 Valognes. /.

Burnous, Bedouin mantle or cloak.

Burns, 1] Robt., Scot. lyr. poet, * 25/1 1759 Alloway, nr. Ayr, † 21/7 1796 Dumfries; s. of small farmr., pubd. first poems at Kilmarnock 1786, took farm of Ellesland, married Jean Armour 88, offr. of excise 89, movd. to Dumfries 91; wrote over 100 songs 92, disappointed, intemperate; greatest poet. genius of Scot. "Tam o' Shanter," "To a Mountain Daisy," "The Cotter's Saturday Night," "Mary Morison." Monumts. at Ayr, Edinburgh, Dumfries, New York, &c. 2] Jabez, Baptist †, * 1805 Oldham, † 31/1 76. /. 3] John, ♃, prof. of surg. at Glasgow, * 1775; lost in *Orion* 1850.

Burnside, Amb. Everett, Amer. genl., of Fed. army, * 23/5 1824 Liberty, Indiana; brig.-genl. 61, comnd. Army of Potomac 62–63; resigned commissn. 65, govr. of Rhode Island 66–68, † 13/9 81.

Burow, Julie, rom. /, * 24/2 1806 Kydullen, † 19/2 68 Bromberg.

Burr, 1] Rev. Aaron, Amer. †, * 1714, 2nd presdt. of Coll. of N. Jersey, † 1757. /. 2] His s. Aaron, ♃ & adventr., * 1756, Vice-presdt. of U.S. 1801; cherished designs agst. Sp. S. Amer.; later accused of high treason, but acquitted; † 1836 in poverty.

Burritt, Elihu ("Learned Blacksmith"), advocate of universal brotherhood, orator, * 8/12 1811 New Britain, Conn., U.S.A. U.S. consul at Birmingham, † 7/3 79.

Bursar, in Scot. univers., student to whom grant is made, after competition, to enable him to pursue his studies; scholar, exhibitioner. At Oxf. & Camb., B. is offr. managing college accounts.

Bursian, Conr., philol., * 14/11 1830, prof. at Munich 74, † there 21/9 83. / "Geog. of Greece."

Burslem, ⊙ Staffordsh.; Wedgwood Institute; 27,000 inh.

Burt, Thos., miner & polit., * 12/11 1837 Murton Row; sec. of

Northumblnd. M.s' Assoc. 65, M.P. 74.

Burton, 1] John Hill, Scot. ♛ /, * 22/8 1809 Aberdeen, † 10/8 81 Edinburgh. 2] Robt., Eng. schol. & /, * 8/2 1576 Lindley, † 25/1 1640 Seagrave; "Anatomy of Melancholy" 1621; monumt. at Oxford. 3] Rich. F., travlr. & Orient., * 1821 Tuam; joined Ind. army 42, capt. 57, travld. in Arabia, E. Afr., & N. Amer.; consul at Fernando Po 61, at Damascus 61–71, at Trieste 72, K.C.M.G. 86. / "Abeokuta" 63. "Vikram & the Vampire" 69, new translatn. of "Arabian Nights"; master of 35 languages.

Bury, ⊙ Lancash., cotton, wool mnfs.; 55,000 inh. Rets. 1 M.P.

Bury, W. Coutts Keppel, Visct., Lord Ashford, polit., s. of E. of Albemarle, * 1832, M.P. 57, promoted Volunteer movement; Und.-Sec. for War 78–80, 85, called to Upper Ho. 76.

Bury St. Edmunds, ⊙ Suffolk, tomb of Edm., k. of East Anglia, † 871; gram. school fnded. 1550; 16,500 inh. Rets. 1 M.P.

Burying Beetle, any beetle of gen. *necrophorus*.

Busaco, Serra de, ⛰ prov. Beira, Port. ⚔ 27/9 1810, Fr. deftd.

Busbequius, A. G. (Auger Gislin de Busbec), travlr. & diplom., * *ca.* 1525; Imp. ambass. to Constantinople 54, to Paris, † 28/10 92. /.

Busby, 1] Dr. Rich., hd.-master of Westminster School, * 22/9 1606, † 6/4 1695; class. editor; master of Locke, Dryden, Prior, &c. 2] Thos., Eng. ♯, * 1755, † 1838. / "History of Music."

Busch, 1] Moritz, /, * 13/2 1821 Dresden, known by his books on Bismarck 79 & 84. 2] Willm., humor. / & artist, * 15/4 1832 Wiedensahl.

Büsching, 1] Ant. Fried., fathr. of mod. ⊙, * 27/9 1724 Stadthagen, † 28/5 93. 2] His s. Joseph Gust. Gottl., philol. & crit. /, * 19/9 1783, † 4/5 1829.

Busento, ⚓ lower Ital., flowg. to G. of Tarento; grave of Alaric.

Bushel, dry meas. = 8 galls. = 4 pecks. Imp. B. has capacity of 2218·192 cub. ins., & holds 80 lbs. avoir. of distilled water. Heaped measure is illegal; "strike," or levelled, is enforced by law 1834–5. B. = 36·347 litres.

Bushire, or Abushehr, ⚓ ⊙ Pers., on penin. at head of Pers. Gulf; hd.-qtrs. of Brit. ⚓ squad.; Brit. polit. resdt.; *ca.* 15,000 inh.

Bushmen, or Bosjesmans, aboriginal race of S. Afr., allied to Hottentots; small, depraved.

Bushnell, Horace, Amer. †, * 1802 Litchfield, Conn., † 17/2 76. / "Nature & the Supernatural" 58, &c.

Busiris, myth. king of Egypt, who sacrificed strangers to Jupiter, & was slain by Hercules.

Busiris, anct. ⬭, ⊙ Lower Egypt, now Abusir; ruined temple of Isis.

Busk, Hans, fnder. of Volunteer movemnt. in Eng., * 1815, † 11/3 82.

Buskin, a half-boot, covering leg to middle, used by anct. trag. actors; tragedy-comedians wore the sock (*soccus*), a flat-soled shoe.

Buss, ⚓, a two-masted fishing vessel, with cabin at each end.

Bussora, *v.* Basra.

Bussy-Castelnau, C. J. P., marq. de, Fr. ⚔ offr. in Ind., * * 1718 Bucy; seized Haiderabad 56, taken prisnr. by Brit. at ⚔ Wandewash 22/1 60, commr. of Fr. in Ind., † 85 Pondicherry.

Bussy d'Amboise, L. de Clermont de, favrite. of dk. of Anjou; murd. 19/8 1579.

Bustamente, Carlos, Mex. Ψ /, * *ca.* 1798.

Bustard, ornith., *otis;* 3 specs. fnd. in Brit.

Butcher-bird, ornith., the shrike, *lanius;* 3 Brit. specs. Impales small birds, &c., on thorns.

Butcher's Broom, ♯, *Ruscus,* gen. of *liliaceæ;* young shoots of Brit. variety may be cooked & eatn.

Bute, island off W. of Scot., 16 × 4 m., *co.* 10,000 inh.

Bute, 1] John Stuart, 3rd earl of, * 1713, elected rep. peer of Scot. 37, Sec. of State 61, Premier 29 5 62, unpopular, resigned 8/4 63, retained confid. of king, † 10/3 92. 2] His eld. s. created marq. of B. in Eng. peerage 1796.

Bute, Kyles of, strait betw. Bute & Argyllshire.

Buteshire, co. of W. Scotl., incl. isles of B., Arran, Cumbrae, Holy Isle, Pladda, &c.; 17,700 inh.; rets. 1 M.P. Chf. ⊙, Rothesay.

Butler, 1] Joseph, Eng. † & ⚓, * 18/5 1692 Wantage, † 16/6 1752; educatd. at Oxf., bp. of Bristol, of Durham. ✓ "Analogy of Religion." 2] Samuel, poet. & satir. ✓, * 2/2 1612 Strensham, † 25/9 80 London. "Hudibras" 1662–78, &c. 3] Wm. Archer, † & ⚓ ✓, * Annerville, Ireland, 1814, † 5/7 1848; prof. of mor. ⚓ at Dublin. ✓. 4] Walter, served under Wallenstein, † 1634. 5] Charles, Eng. R. Cath. ⚓ & ✓, * 1750 London, † 2/6 1832. "Horæ Biblicæ." 6] His uncle, Alban, R. Cath. ✓, * 1700, † 73. "Lives of the Saints." 7] Benj. Franklin, Amer. genl., * Deerfield, N. Hampshire, 1818; Fed. commr. in Virginia 61, captd. New Orleans 62, govr. of Mass. 80. 8] Hy. Montague, †, * 1833, hd. master of Harrow Sch. 59, dean of Gloucester 85. ✓.

Buto, Egypt. myth., nurse of Horus & Bubastis; temple at B., Lower Egypt.

Butt, liq. meas. of wine, cask of 126 galls.; of beer, 108 galls. Dry meas.: of currants, 15–22 cwts.

Butt, Isaac, Ir. ⚓ & polit., * 1813, M.P. 52 as Lib.-Cons., as Home Ruler 71; leader of H.R. party, † 5/5 79. ✓.

Butter, the non-nitrogenus fatty pt. of milk, esp. of cow's milk; exists as minute globules wh. rise to surface as cream. These globules, broken & aggregated by churning, form B. of commerce.

Buttercup, ✿, the gen. *ranunculus;* esp. *R. acris, R. bulbosus, R. repens, R. auricomus.* Water B., 1] *R. aquatilis;* 2] *caltha palustris.*

Butterfly, entom., Eng. name for any spec. of diurnal lepidoptera; antennæ clubbed, wings upright in repose; divid. into 4 fams.—*Papilionidæ, nymphalidæ, lycænidæ, hesperidæ.*

Butterfly Orchis, ✿, 1] *Habenaria chlorantha;* 2] *H. bifolia.*

Butterfly-plant, ✿, an orchid, *oncidium papilio,* Trinidad.

Butterine, imitation butter prepared from anim. or veget. fats converted into olein & churned. Called also oleomargarine.

Butter-nut, oil-nut, or white walnut, ✿, *juglans cinerea,* N. Amer.; nuts cathartic.

Butter-tree, ✿, name of sev. trees of ord. *sapotaceæ.* Indian B., *bassia butyracea,* or phulwara, makes good soap. African B., or shea, *bassia parkii.*

Butterweek (Mosteniza), in Russ., the wk. before Easter.

Butterwort, ✿, Eng. name of gen. *pinguicula;* 4 Brit. specs.

Butterfield, Willm., △, * 7/9 1814; blt. chapel Balliol Coll., Oxf., St. Alban's Ch., Holborn, Winchester & Rugby Sch. buildgs., Keble Coll., Oxf.

Buttisholz, villg., cant. Lucerne, Switz.; British Barrow, grave of 3,000 followers of De Coucy, who fell there 1376.

Buttmann, Ph. Karl, philol., * 5/12 1764 Frankfort-o.-M., † 21/6 1829 Berlin. ✓ "Greek Grammar."

Button, Thos., Brit. Arctic navig., discovd Nelson ⚓ 15/8 1612 & Mansfield's (Mancel's) Islands 13; knighted on return.

Buttress, △, masonry projectg. from a wall, genlly. to strengthen it against the thrust of roof or vault. Flying B., detached masonry connected with a wall by an arch so as to support some particular point.

Butyric Acid, ⚗, $C_4H_8O_2$; fnd. in sweat, urine, milk; chf. product. of second stage of lactic fermentation.

Buxar, *v.* Baxar.

Buxton, ⊙ Derbysh., 900 ft. above sea; springs; 6,800 inh.

Buxton, 1] Sir Thos. Fowell, philanth., • 1/4 1786 Earl's Colne, † 19/2 1845; M.P. 1818–37; opposed slavery; bart. 40. ⁄. 2] Jedediah, phenomenal calculator, • 1705 Elmton, † *ca.* 75.

Buxtorff, 1] Joh., Germ. Orient. schol., • 1564 Camen, † 1629. 2] His s. Joh., • 1599, † 1664.

Buys-Ballot, Christoph. H. D., meteorol., • 10/10 1817 Klötingen; director of Meteor. Inst., Utrecht.

Buyukdere, villg. on Bosphorus, near Constantinople.

Buzzard, Glead, or Puttock, ornith., Eng. name of gen. *buteo;* 2 specs. fnd. in Brit.: brown, or common, & rough-legged. Turkey-B., *cathartes aura,* or Turkey-vulture. Honey-B., *pernis apivorus,* or beehawk.

Byblus, now Jebail, anct. ⊙ of Phœnicia, on sea.

Bye Plot, Rom. Cath. & Puritan conspir. to capture James I., in order to compel him to grant toleration, 1603; failed.

Byng, 1] Geo., Visct. Torrington, Eng. adml., • 1663 Wrotham, vict. ✕ Malaga 1704, ✕ off Cape Passaro 1718; peer 21; First Lord of Adm.; † 1733. 2] His 4th s. John, Eng. adm., • 1704, failed to relieve Minorca 56, shot 14/3 57 for alleged cowardice.

Bynkershoek, Corn. van, Dutch ⚖, • 29/5 1673, † 16/4 1743. ⁄.

Byr, Robt., pseud. of Bayer, Robt. (*q.v.*).

Byrne, Willm., landscape engraver, • 1743, † 1805.

Byrom, John, Eng. poet. & misc. ⁄, • 1691 Kersall, † 1763 Manchester; invented syst. of shorthand.

Byron, 1] Geo. Noel Gordon, Lord, Eng. poet, • 22/1 1788 London, † 19/4 1824 Missolonghi, s. of Capt. John Byron; educatd. Dulwich, Harrow, Camb. "Hours of Idleness" 1807, "English Bards & Scotch Reviewers" 09; went to Mediterr.; "Childe Harold's Pilgrimage" 12, "Giaour," "Bride of Abydos" 13, "Lara," "The Corsair" 14; marr. Miss Milbanke 15, separated 16; B. left Eng. for Switz., Ital., & Greece; "Prisoner of Chillon," "Beppo," "Manfred," "Mazeppa," "Marino Faliero," "Sardanapalus," "Cain," "Don Juan"; lived with Countess Guiccioli; embraced cause of Grk. indep. 1823; died of fever; statue in London 1880. 2] John, Brit. ⚓ offr. & navig., • 8/11 1723; to South Seas 64, govr. of Newfoundland 69, vice-adml. 78, † 10/4 86. ⁄. 3] Henry James, ✪ & rom. ⁄, • 1835, † 12/4 84. *Cyril's Success, Our Boys.*

Byron, The Polish, Adam Mickiewicz, 1798–1855. The Russian B., Alex. Serg. Puschkin, 1799–1837.

Byssus, linen; old name for asbestos.

Byström, Joh. Nic., ✪, • 18/12 1783 Philippstad, † 11/3 1848 Rome. Chf. works in Stockholm.

Byzantine Art, characterised by dome, circle, & round arch in △, with cross, lily, nimbus, & vesica.

Byzantine Historians, Grk. writers living under Eastern Empire, 6th–15th cents.

Byzantium, ⊙ on Bosphorus, fnded. by Megarians 658 B.C. Constantine enlarged the ⊙ 330, & changed its name to Constantinople (*q.v.*).

C.

C, 3rd letter in Eng. & alphabets borrowed from Rom. As Rom. numeral, C. = 100. In 𝄞, C is 1st note of scale of *c* major = *do* (Ital.) & *ut* (Fr.); placed after the clef, C is a mark of common or $\frac{4}{4}$ time; with bar drawn perpend. through it it marks *alla-breve,* or $\frac{2}{2}$ time. C. = also contralto, counter-tenor. In ⚗, C = carbon.

Ca, in ⚗, = Calcium.

Caaba, *v.* Kaaba.

Cabal, a numb. of persns. closely united for polit. or eccl. purposes, genlly. in bad sense. The C. Ministry, 1667–73, incl. Clifford, Arlington, Buckingham, Ashley-Cooper, & Lauderdale; so-called from their initials.

Cabala, or Cabbala, tradit. Jewish myst. interpretation of Pentateuch; the esoteric ✡ of Judaism.

Caballero, Fernan (Cecilia de Arrom), rom. ✓, * 1797 Morges, † 7/4 1877 Sevilla. Stories of Span. folk-life.

Cabanel, Alex., ●, directr. of Paris Academy, * 12/9 1823 Montpellier.

Cabanis, 1] P. J. G., ⚷, * 5/6 1757 Cosnac, † 5/5 1808 Paris. ✓ "Traité de Physique et de Morale." 2] J. Louis, * 8/3 1816, keeper of ornith. coll., Berlin Mus., 49.

Cabbage, pop. name for the gen. *brassica*, & esp. for those vars. with plain leaves & "hearts."

Cabbage Butterfly, entom., 1] *pontia brassicæ.* 2] *P. rapæ;* commonest of Eng. butterflies.

Cabbage Palm, or C. Tree, Eng. name for palm genus *areca*, & esp. of *A. oleracea* of W. Ind.

Cabbage Rose, ✿, *rosa centifolia.*

Cabes, Gulf of, anct. ○, Syrtis Minor; betw. W. Tripoli & E. Tunis.

Cabestaing, or Cabestan, Guillaume de, Fr. troubadour of 13th cent., loved Marguerite de Castel-Roussillon, whose husb. killd. him & servd. up his heart for her dinner.

Cabet, Étienne, Socialist, * 2/1 1788 Dijon; elected to Chamber 1831, pub. "Voyage en Icarie" 42, to Texas 48, fnded. Social. settlement at Nauvoo; † 9/11 56 St. Louis, U.S.A.

Cabinet, the chf. members collectively of a govt., espec. those membrs. of Brit. govt. who are Privy Councillors, & who occupy the highest offices. Meet informally & in secret.

Cabiri anct. Pelagian divinities, connected with worship of generative principle.

Cable, 1] ⚓, a rope of hemp or steel wire, or chain, for connecting a ship with her anchor. Rope or hempen C., 101 fathms.; chain C., 100 fathoms. Rope C. is composed of 3 strands, each of 3 ropes, each of 3 twists. Chain C. patented 1808 by Slater. 2] Hence C., ⚓ meas. of distance, = 100 fathms. = 200 yds. 3] Submarine telegraph wire, with its coatings.

Cable, Geo. W., nov. ✓, * 1844 New Orleans.

Cabob, Pers., sm. piece of meat roasted on skewer.

Cabot, or Caboto, 1] Giovanni, ⚓, * 1420 Genoa, † 98; discovd. N. Amer. continent 94. 2] Sebastian, his s., * 1477 Bristol, † 1557; discovered Newfoundland 97, Hudson Strait & Bay 17.

Cabral, or Cabrera, Ped. Alvarez, Port. navig., * 1460, † 1526; discovered Brazil 24/4 1500.

Cabrera, r. Balearic Islands.

Cabrera, Ramon, Sp. Carlist leader, * 31/8 1810 Tortosa; creatd. Ct. of Morella, deftd. ✕ Pastoral 49, † 24/5 77 Wentworth.

Cabriolet, one-horse chaise w. head-covering & protection for legs & feet; shortened to "cab."

Cabul, r. Kabul.

Cacao, or Cocoa (*q. v.*).

Caccini, G. (Giulio Romano), ♫, * 1560, † 1640.

Caceres, Sp. ⚲ in prov. of same name, formg. pt. of old prov. of Estremadura; 14,000 inh.

Cachalot, zool., 1] a cetacean of the *balænidæ* fam.; the sperm-whale, *physeter macrocephalus*, males up to 70 ft. long; N. seas. 2] The Mex. sperm-whale, *catodon coluetti;* North Pacific, South Seas.

Cachao, or Kesho, ⊙ Tonquin, on Song-koi; 90,000 inh.

Cachar, anctly. Hairumbo, district of Assam, Brit. Ind.; tea.

Cachet, Lettres de, carte-blanche warrants for committal to or

beration from prison; openly sold in France till 15/1 1790.

Cachucha, Sp. dance, ¾ time.

Cacique, Mex. = lord; a chf. of Mex. Ind. tribe.

Cacoëthes scribendi, Lat. = an itch for writing.

Cactaceæ, ✿, Indian figs; ord. of exogens, nat. of Amer.; 800 vars.

Cactus, pop. Eng. name for the *cactaceæ*; espec. includg. the *echinomelocacts, cerei, & opuntiæ.*

Cada Mosto, Aloys da, navig., * 1430 Venice, † 80; discovd. Cape de Verdes 56.

Caddis-fly, entom., *phryganea.* Its larva lives in an open cylindrical case, and is a good bait.

Cade, a meas. = 500 herrings, or 1,000 sprats.

Cade, John (Jack Cade), Irishm who pretended to Eng. crown, assumed name of Mortimer, & headed insurrectn. 1450; deftd. Royal troops at ⚔ Sevenoaks 18/6, entered the City 2/7, deftd. on London Bridge, fled, killed 11/7 Heathfield.

Cadell, Francis, explor., * 1822 Cockenzie; descended Murray ⚓, Austral., for 1,300 m., & opened Murrumbidgee, Edward, & Darling ⚓s.

Cadence, a fall of the voice in speaking or reciting. In ♪, end of a phrase; shake or trill at close of harmony.

Cadenza, ♪, an *ad libitum* embellishment introduced into a composition.

Cader Idris, ▲ Merionethsh., N. Wales; 2,914 ft.

Cadessia, ⚔ 636, Pers. deftd. by Arabs.

Cadet, a second son; younger s. or brother; a studt. in a ⚔ *school.* Naval C., offr. on probatn. for *rank of midshipman.*

Cadi, or Cazi, Mahom. local judge. Superior judges are mollahs, or muftis.

Cadiz, *or Cadix, anctly. Gades,* ⚓ ♛ & ⊙ S.W. Spain, on Isla de Leon, in Atlantic, in prov. of same name; harbour, dockyd., 2 catheds, bpric.; earthquake 1755; taken by Eng. 1596; vainly attacked by Eng. 1702; besieged by Fr. 1810–12 & 23; surrend. to Fr. 3/10 23, restored 28.

Cadmium, diatomic metal. element discvd. 1818; symb. Cd; meltg. point 315°; white, ductile, malleable, little affected by air; fnd. in some zinc ores. Its bromide & iodide are used in photography, its sulphide used as yellow pigment.

Cadmus, 1] Grk. myth., s. of Agenor, brothr. of Europa, & fnder. of Thebes; introd. alphabet of 16 letters; inventd. brass. 2] Of Miletus, earliest Grk. prose ✍, 6th cent. B.C.

Cadogan, Willm., 1st earl of, * *ca.* 1670; colonel 1703, genl. 04, comp. & friend of Marlboro', peer 16; employed as diplom., succeed. Marlboro' as comm.-in-chf., † 26.

Cadoudal, Georges, Chouan chf., * 1/1 1771 Brech; headed rising 93, to Brittany 99, to Eng 1800; exctd. for consp. agst. Napol. 26/6 04.

Cadre, the framework of a regiment; the staff, &c.

Cadsand, ⊙ Zeeland, Netherlands. ⚔ 1337, first fight of 100 Years' War; Brit. & Dut. deftd. Ct. of Flanders.

Caduceus, Grk. myth., staff of Mercury, winged & entwined with 2 serpents; symb. of peace, commerce, prosperity.

Cadwalader, last k. of Britain, expelled by Saxons, † 703 Rome.

Cæcilia, St., fabled discoverer of organ, † 177.

Cæcilius, Statius, Rom. ✪ ✍, † 168 B.C.

Cæcum, 1] anat., the beginning of the great gut. 2] Gen. of tertiary molluscs.

Cædmon, Ang.-Sax. ✍; monk of Whitby, † *ca.* 680; "father of Eng. song." "Cædmon's Paraphrase of the Bible."

Cælius Aurelianus, *Rom.* ⚕ ✍, * Sicca, Afr., *ca.* 5th cent.

Caen, Fr. ⊙ in Calvados, anct. cap. ⊙ Normandy, on Orne & Odon; Taken by Eng. 1346, 1417; Fr.

966

since 1450; 41,000 inh. Treaty of C. 1091, betw. William Rufus & Robert of Normandy.

Caerlaverock Castle, on Nith, Dumfriessh.; surrend. to Eng. 1545, destroyed by Cromwell.

Caerleon (Isca Silurum), anct. ⊙ Monmouthsh., on Usk; assocd. w. story of K. Arthur; Rom. remains; 1,050 inh.

Caermarthen, or Caer Fyrddyn, *v.* Carmarthen.

Caesalpinus, And., Ital. ♃ & ☿, • 1519, † 1603. ✓.

Caesar, Rom. fam., branch of the Julian gens; name assumed as a title by the Rom. emps.; afterwards as title of any pers. in line of succession.

Caesar, Caius Julius, Rom genl., orator, ✓, & statesm., • 12/7 100 B.C.; nephew of Marius, & son-in-law of L. C. Cinna, m. Cornelia 83; served in Lesbos, returned to Rome 78, quæstor 68, ædile 65, pontifex maximus 63, prætor 62, pro-prætor in Spain 61, consul 59, subdued Gaul, twice crossed to Britain 55 & 54, Pompey jealous, C. ordered to disband army 49, C. returned to Italy with army, Pompey & senate fled, C. deftd. Pompey's friends in Sp., & overthrew Pompey in Greece, at Pharsalia 9/8 48; C. in Egypt; connectn. with Cleopatra; deftd. Pharnaces nr. Zela; deftd. Scipio & Cato in Afr. at ✕ Thapsus; C. master of Rom. world; refused crown 15/2 44, assassinated 15/3 by arist. party. "Commentaries."

Cæsar, Sir Jul., Eng. ⚖, • 1557 Tottenham; Master of the Rolls 1614, † 36.

Caesarea, 1] ⚓ ⊙ Palestine, blt by Herod the Grt. B.C. 22, now Kaisaryah. 2] Another ⊙, C. Philippi, 95 m. N. of Jerusalem, also blt. by Herod; improved by Philip 3 B.C. 3] Another ⊙, ⊙ in Cappadocia.

Caesarian Operation, surg., the removal of a child from the womb through an incision in the abdomen.

Caesium, ⚗, a monad met element; symb. Cs; discvd. 180

Caesius Bassus, Rom. lyr. poet friend of Persius.

Caestus, anct. leather boxing glove, often loaded with lead.

Caesura, in verse, a natural pau near the middle of a line.

Cæteris paribus, Lat. = othe things being equal.

Caffeine, ⚗, $C_8H_{10}N_4O_2$ (th same as theine); a feeble organi base in coffee; forms tufts of whit silky needles; bitter.

Caffraria, *v.* Kaffraria.

Cafila, a small caravan, N. Afr.

Caftan, Turk. or Pers. vest.

Cagliari, anct. ⬡, Caralis, cap ⊙ Sardinia, on bay, S. of island univ., archbpr., 34,000 inh.

Cagliari, Paolo, *v.* Veronese.

Cagliostro, Count Alessandr de (Joseph Balsamo), impostor, • 8/6 1743 Palermo, † 95 Rome travld. Europe as quack, wizard, &c

Cagnoli, Ant., ✱ & math., • 29/9 1743 Zante, † *ca.* 1816 Verona. ✓

Cagots, gipsy race of Bearn & Gascony.

Cahen, 1] Sam., Jew. schol., • 4/8 1796 Metz; transltd. Bible 1822 53, † 8/1 62. ✓. 2] His son Isidore, ⚖ & journ. ✓, • 16/9 182 Paris.

Cahiz, Span. meas. of capac. = *ca.* 44–146 galls.

Cahoun, ☘, a Honduras palm *attalea cahune*, yielding oil-nuts.

Cahours, A. A. T., ⚗, • 2/1 1813 Paris; researches in org. ⚗.

Caicos Islands, or Keys, grou in Atlant. O., betw. Bahamas & Haiti, under govt. of Jamaica; on 3,000 inh.

Caillaud, Fredk., Afr. travlr. • 9/6 1787 Nantes, † 1/5 1869. ✓

Caillié, Rene, Afr. travlr., • 19/9 1799 Mauze, † 17/5 1839.

Caimacan, a Turk. lieut.-gov

Cain, Aug., ⚲, • 1822 Paris.

Cainozoic Rocks, ⚒, tertiar rocks.

Calque, boat used on Bo phorus, &c.

Ça ira, Fr. = "It shall go on," burden of a Fr. revol. song, 1789.

Caird, 1] John, Presb. preacher & †, * 1820 Greenock; chapl. to the Q; prin. of Univ. of Glasgow 73. ✓. 2] Sir James, statist & agricult., * Stranraer 1816, M.P. 57, chairman of Sea Fisheries Commission 63–66; procurd. annl. publication of agricult. stats. 64.

Cairn, or Carn, a heap of stones; genlly. sepulchral or monumental.

Cairngorm, 1] ⛰ Highlands of Scot.: highest summits, Ben Mac-Dhui 4,418 ft., Cairngorm 4,050 ft. 2] ◆, a smoky yellow quartz; used for ornaments.

Cairns, Hugh M'Calmont, Earl, ⚖, * Cultra, Ireland, 1819, called to Eng. bar 44, M.P. 52, Sol.-Genl. 58, Att.-Gen. 66, Ld. Just. of App. & peer 67, Ld. Chancellor 68, 74–80; created visct. & earl 78, † 2/4 85 Bournemouth.

Cairo, or Kahira, mod. cap. ⊙ Egypt, on Nile, 12 m. above apex of Delta; 400 mosques, tombs of Khalifs; area 3 s.m.; 350,000 inh.

Cairoli, Benedetto, Ital. statesm., * 1826 Pavia; with Garibaldi 59, Premier 78, 79–81.

Caisson, 1] ⚓, vessel that can be filled with water, sunk across mouth of a dock, instead of floodgates. 2] ⊕, frame or case sunk in beds of ⚓s, &c., to keep out water during laying of piles & foundatns.

Caithness-shire, N. co. of Scot., chfly. moor. *Chf.* ⊙s, Wick, Thurso. 616 s.m.; 39,000 inh. Rets. 1 M.P.

Caius, St., a Dalmatian; Pope 283, † 96.

Caius, Kaye, or Key, John, ✝, * 6/10 1510 Norwich, † 29/7 73. Procured alteration of Gonville Hall into Caius Coll., Camb. ✓ "Hist. of the Univ. of Camb."

Caius College (Gonville & C.C.), Cambridge, fnded. 1348 by Edm. de Gonville, as Gonville Hall. Dr. Caius rebuilt it 1557 & added chapel.

Cajamarca, or Caxamarca (*q.v.*)

Cajeput Oil, camphoraceous oil from tree *melaleuca minor*, of the Moluccas; used in ✝; dissolves caoutchouc.

Cajetanus, 1] St., † 1547 Naples. 2] Nickname of the Pap. Legate, T. de Vio of Gaeta, * 1469; employed against Luther; † 9/8 1534.

Calabar, distr. of W. Afr., on Bight of Biafra; palm-oil.

Calabar Bean, or Ordeal Bean, ✿, from *physostigma venenatum*, a leguminous plt. of W. Afr.; seeds poisonous.

Calabash, ✿, a tree, *crescentia cujete*, of W. Ind., producing hard fruit used as bottles, &c.

Calabash Nutmeg, Jamaica or Amer. Nutmeg; fruit of *monodora myristica*.

Calabria, dist. of S.W. Ital., incldg. provs. of Cosenza, Reggio, & Catanzaro; 6,600 s.m., 1,230,000 inh. In anct. ⊙, C. was S.E. extrem. of Ital. penin., forming pt. of Apulia.

Calais, ⚓ ⊙ Fr. in Pas de Calais, on Strait of Dover, ⊕; harbour shallow; surrendered to Eng. 4/8 1347, recovered by Fr. 1558; 34,000 inh.

Calamander Wood, Coromandel Wood.

Calamary, zool., Eng. name of gen. *loligo*, squid.

Calambac, aloes-wood; chewed by Chinese.

Calame, Alex., landscp. ●, * 23/5 1810 Vevey, † 19/3 64 Mentone.

Calamine, ◆, a nat carbonate of zinc; translucent, brittle, orthorhombic.

Calamint, ✿, Brit. perenn. plt., *calamintha officinalis*.

Calamites, ✿ & palæont., coal fossil plnt, fnd. in jointd. fragmts.

Calamus, 1] reed-pen used by ancts. in writing. 2] Reed instrmt.

Calamus, ✿, 1] a fistular stem without articulatn. 2] A gen. of palms, incl. Malacca cane, *C. scipionum*, & rattans.

Calamy, 1] Edm., Presby. ✝, * 1600 London, † 29/10 66; opposed Episcopacy, roy. chaplain 60, ejected for nonconform. 62. 2] His s. Benj., Eng. ✝, † 1686.

Calando, diminishing in time & sound.

Calandrelli, Alex., ♫, * 9/5 1834 Berlin; prof. there.

Calanus, Ind. gymnosoph. ♃; joined Alexander the Grt., † *ca.* 324 B.C.

Calas, Jean, * 1698 Caparede, a Prot. accused at Toulouse of having murd. his son; executed 9/3 1762. Voltaire establd. his innocence 68.

Calash, Calèche, light carriage with movable hood.

Calatrava, Order of, r. Orders.

Calaverite, ⊕, a tellurid of gold: tellurium 55·53, gold 44·47.

Calcareous Spar, ⊕, calcite; nat. cryst. carb. of lime.

Calcavalla, a sweet Port. wine.

Calceolaria, ✿, a gen. of *scrophulariaceæ* from S. Amer.; many vars. cultivated in Eng.

Calchas, Grk. soothsayer at siege of Troy.

Calcining, reduction by heat to a state in wh. a body can be easily powdered; reduction to lime.

Calcite, or Calc-spar, ⊕, crystd. carbonate of lime.

Calcium ⚗, a dyad metal. element; symb. Ca; a yellow ductile malleable metal, melts at red heat, burns orange. Calcium oxide, CaO, is lime.

Calcium Light, Drummond or oxyhydrogen light; produced by inflammation of streams of oxygen & hydrogen upon a piece of lime.

Calculus, 1] ✱, a stone in bladder, kidney, or elsewhere. 2] In math., any branch of math. that involves calculation; r. Differential, Integral.

Calcutta, anctly. Fort William; cap. ⊙ of prov. Bengal & of Brit. India; 2nd ⊙ of Brit. Emp.; on E. bank of Hugli, 80 m. from the sea; 8 s.m.; bpric., Mint; "City of Palaces"; damaged by cyclones 1864, 67, 70. C. created bpric. 1813; pop., with suburbs, 820,000. ⚓: C. an Eng. statn. 1686, Ft. Willm. blt. 96, Presidency constitutd. 1707, fortified 42, captured by Surajah Dowlah 1756, Black Hole tragedy, retaken by Clive 57; cap. ⊙ of Brit. Ind. 73, Govt. Ho. blt. 1804.

Caldecott, Randolph, artist & illustrator, * 1846 Chester, † 12/2 86 St. Augustine, Florida; illustrated "Old Christmas," "John Gilpin," &c.; contribd. to *Graphic*; Memb. Inst. of Painters in Water Colours 82.

Calder, Sir Robt., Brit. ⚓ offr., * 1745; capt. 80, bart. 96, rear-adml. 99; deftd. Fr. & Sp. 22/7 1805, † 1818 Holt.

Calderon, 1] Serafin Estevan, Span. poet. ✓, * 1801 Malaga.

2] P. Hermogenes, Eng. ●, * 1833 Poitiers; R.A. 67.

Calderon de la Barca, Pedro, Span. soldier & ✝ ✓, * 17/1 1600 Madrid, † 25/5 81; served in Milan & Netherlands, summond. to Court 36, ordaind. 51; monmt. in Ch. of St. Salvador, Madrid. ✓ *ca.* 200 works.

Caldiero, Ital. villg; springs; 2,300 inh. ⚔ 31·10 1805.

Caldwell, Joseph, Amer. math., * Leamington, N.J., 1773; presdt. of Univ. of N. Carolina 1804, † 35. ✓.

Calèche, r. Calash.

Caledonia, anct. Rom. name for pt. of Brit. beyond Antonine's Wall, & betw. Firths of Forth & Clyde.

Caledonia, New, r. New Caledonia.

Caledonian Canal, connects Irish & N. Seas; from Loch Eil to Moray Firth, 60 m. Begun by Telford 1803, ended 23; for ships of 500–600 tons.

Calendar, a syst. of divisn. of time into epochs or periods, years, months, weeks, & days; origlly. suggested by recurrence of seasons, &c. Year fixed by anct. Egypt. at 365 days, or 12 months of 30 days, the remaining 5 days being added at end. Romans took revolutn. of moon as their standard, & made year = 13 lunar mos., or 355 days, adding other days as wanted. In time of Julius Cæsar there was an error of 90 days. He made the year

46 B.C. consist of 455 days, so as to clear off the superfluity, & ordained year of 365 days with an intercalary day every fourth or leap year. He began year on Jan. 1 & divd. it into 12 mos. Solar year is about 11 m. 10 secs. less than 365¼ days: hence intercalatn. of 1 day in 4 years was too much. In course of centuries, error amounted to several days. To remedy this, Pope Gregory XIII., 1582, omitted 10 days, & provided that year ending each cent. should have 365 instd. of 366 days, save when the number of the century is divisible by 4, *e.g.* 1700 = 365 days, 2000 = 366 days. This was Gregorian Calendar, & was at once adopted in all R. Cath. countries; in Engl. in 1752, when 11 days were struck out of mo. of Sept; Russ. alone of Europ. countries still adheres to Old (or Julian) Style. By Act 24 Geo. II. 1751, the legal beginning of year was changed in Eng. from 25/3 to 1/1.

Calendar, Roman. Every Rom. mo. had 3 chf. days: *Kalendæ* (Calends, the 1st day); *Nonæ* (Nones, 5th day, except in Mar., May, July, Oct., when on 7th); *Idus* (Ides, 13th or 15th, accordg. to fallg. of Nones). From these points other days were reckoned backwards, *e.g.* 26th May would be 6th day before Calends of June, or *VI. Kal. Jun.*

Calendering, process of finishing surface of textile fabrics by means of press. betw. hot cylinders.

Calends, or Kalends, in anct. Rom. calendar, the name of the first day in every month; *v.* Calendar, Roman. There were no Grk. Calends: hence proverbial saying, *ad Kalendas Græcas* = never.

Calhoun, J. Caldwell, Amer. orator, statesm., advoc. of slavery, • 18/3 1782 S. Carolina; Min. of War 1817–24, † 31/3 1850 Washington.

Calico, cotton cloth, origlly. imported from Calicut.

Calicut, ⚓ ⊙ on Malabar coast, visited by Vasco de Gama 1498, conqd. by Brit. 1790; 40,000 inh.

Cálidâsa, Hindu poet of 1st or 2nd cent. B.C. Tragedy of "Sakoontalá," "Vicramôrvasi," "Dhûrtasamâgama," "Mêghadûta," "Raghu Vansa."

California, one of the U.S.A., on Pacif. O., origlly. pt. of Mex., by which it was ceded 1848; created a state 1850; gold, quicksilver, copper, fruit, grain; 150,000 s.m., 900,000 inh. Cap. ⊙, Sacramento.

California, Old or Lower, state of Mex., forming long penin.; *ca.* 30,000 inh. Cap. ⊙, La Paz.

California, Gulf of, betw. C. & Mex.; discovd. 1534 by Hernando de Grixalva.

Caligo, ✱, cataract of the eye.

Caligula, Cai. Jul., 3rd Emp. of Rome, • 12, succed. his uncle Tiberius 37; murd. 24/1 41; vicious & sanguinary.

Calipash, the green gelatinous pt. of turtle. *Calipee,* the light yell. gelat. pt. next the lower shell.

Caliph, *v.* Khalif.

Calisthenics, art of healthful exercise; gymnastics, esp. as practised by females

Calixtines, Bohemian Christ. sect. of Hussites; demanded restoration of the cup to the people.

Calixtus, name of 3 popes: I., St., 219–223; II., 1119–1124; III. (Alfonso Borgia) 1455–1458.

Callanan, Jam. Jos., Irish poet. ✓, • 1795 Cork, † 1829 Lisbon.

Callao, port of Lima, Peru, connected with city by R., 8 m.; fine harb.; earthquakes; *ca.* 20,000 inh.

Callcott, 1] John Wall. Eng. ♛, • 1766 Kensington, † 1821; composer. ✓ "Musical Grammar." 2] His brother Sir Aug. Wall, ●, • 1779 Kensington, kntd. 1827, † 44. 3] Lady, ✓, • 1788, † 1843. "Little Arthur's Hist. of England."

Callet, J. F., math., • 25/10 1744 Versailles, † 14/11 98. "Tables of Logarithms."

Callicrates, 1] Grk. △, *ca.* 450 B.C., blt. Parthenon, w. Ictinus. 2] Genl. of Achæan League, † 149 B.C.

Callicratidas, Spart. ⚓ offr. in Peloponn. War; deftd. Conon; † ✕ off Arginusæ Isles 406 B.C.

Callimachus, 1] Grk. poet. ✓, * *ca.* 300 B.C. Cyrene; libr. at Alexandria, † *ca.* 240 B.C. 2] Grk. ▲, 6th cent. B.C., nat. of Corinth.

Calliope, Grk. myth., muse of epic poetry; mother of Orpheus & the Sirens.

Callippus, Grk. ✕, † *ca.* 330 B.C. Cyzicus. The Callippic Cycle, devisd. by him, involved the subtraction of 1 day from calendar in every 76 years.

Callisthenes, Grk. ✍ of Olynthus, pupil of Aristotle; imprisnd. & prob. executd. by Alexander the Grt.

Callisto, Grk. myth., nymph of Arcadia, wooed by Jupiter & trans. into a she-bear; slain by Artemis, & placed among constellatns. as Arctos.

Callot, Jacq., engraver & etcher, * 1594 Nancy, † there 28/3 1635.

Calmato, ♥, It. = tranquilly.

Calmet, Augustine, Fr. schol. & † crit. ✓, * 26/2 1672 Mesnil-la-Horgne, † 25/10 1757 Paris.

Calmucks, *v.* Kalmucks.

Calomel, ✗, mercurous chloride; ⚗, Hg_2Cl_2; used in liver complnts.

Calonne, Chas. Alex. de, Fr. finan. & statesm., * 20/1 1734 Douai, † 30/10 1802. ✓.

Caloric, heat. *C. engine,* Ericsson's hot-air engine.

Calorimeter, instr. for measg. amt. of heat partd. with or absorbd. by a body when its temp. alters; essentially a thermometer with very large bulb & capillary tube.

Caloroso, or Con calore, ♥, It. = with warmth.

Calotype, proc. of prod. pictures by action of light on nitrate of silver; invented 1840 by H. F. Talbot; forerunnr. of photography.

Caloyers, or Kalogari, Grk. monks of the rule of St. Basil: Mt. Athos, &c.

Calpe, anct. ⊙, Gibraltar.

Calpurnius Siculus, Tit., Rom. bucolic poet.

Caltha, ✱, gen. of *ranunculaceæ,* incl. *C. palustris,* marsh-marigold.

Caltrop, or Calthrop, ✕, crowsfoot; piece of iron provid. w. 4 spikes, so that one of them always stands upright.

Calumba-root, or Colombo-r., root of *menispermum palmatum;* Mozambique; bitter, tonic.

Calumet, the pipe of the N. Amer. Inds. To accept it or smoke it is symb. of peace.

Calvados, marit. dept. of N.W. Fr., pt. of old prov. of Normandy; 2,132 s.m., 455,000 inh. Cap. ⊙, Caen.

Calvart, Denis, Flem. ●, * 1555 Antwerp, † 1619 Bologna; master of Guido, Domenichino, & Albano.

Calverley, Chas. S., poet. & hymn ✓, * 1833, † 84. "Verses & Translations," "Fly Leaves."

Calvert, *v.* Baltimore, Lord.

Calvert, 1] Leonard, 2nd s. of Ld. Baltimore; govr. of Maryland 1633, † 1647. 2] Chas. A., ♂, * 28/2 1828; joined stage 52, m. Adelaide Helen Biddles, ♀, 56; † 12/6 79. 3] Geo. Hy., Amer. ✓, * 2/1 1803 Baltimore.

Calvi, Fortunato, Ital. patr., 1818 Padua; fought for Venice 48–49; consp. agst. Aust. 53, executd. 55.

Calvin, John, Fr. reform., * 10/7 1509 Noyon; became Prot. 33, went to Geneva, burnt Servetus; his followers were Lutherans till 61; † 27/5 1564 Geneva. ✓.

Calvinism. Its doctrines, or five "points":—Particular election, particular redemption, moral inability in a fallen state, irresistible grace, final perseverance. The doctrine was pubd. 1536; genlly. adopted in Scotland 1560.

Calydon, 1] anct. ⊙ Ætolia; scene of myth. hunt of Calydonian boar by Meleager & Atalanta. 2] In Arthurian rom., a forest in N. of England.

Calymene, gen. of fossil trilobites.

Calypso, Grk. myth., dau. of

Atlas, dwelt in Ogygia, & there detained Ulysses for 7 yrs.

Calystegia, ♂, gen. of *convolvulaceæ*, incl. *C. sepium*, bindweed.

Calyx, ♂, the outside integument of a flower, consisting of sev. verticillate leaves, distinct or united; usu. green, & less delicate than the corolla. When only one series of integument exists it is called calyx. Its divns. are sepals.

Cama, Hindu myth., god of love.

Cambacérès, Jean J. Régis de, Fr. stateam., * 18/10 1753 Montpellier; created by Napol. Dk. of Parma & High Chanc. of the Emp. 1804; originator of Code Napoléon, † 5/3 1824 Paris.

Cambay, ⊙ Guzerat, Ind., on Mahi & Gulf of C.; ruins; 10,000 inh.

Camberwell, parlt. divsn. of S. subs of London; 205,000 inh. Rets. 3 M P.s, N., Dulwich, Peckham.

Cambodia, Kan-phutchi, country of Indo-Chin. penin., under protectn. of France; 40,000 s.m., 1,025,000 inh. Cap. ⊙, Udong.

Camboge, *v.* Gamboge.

Cambrai, ⊙ Nord, Fr, on Scheldt; cathed. partly burnt 1859; anct. ⬡, Camaracum, fortified by Charlemagne; hd.-qrtrs of Brit. army 1815–18; 24,000 inh. Treaty 1529.

Cambria, or Britannia Secunda, anct. name of Wales; from the Cymri who inhd. it.

Cambrian System, ⚒, lowest series of stratified rocks containg. undoubted fossil remains; below Silurian & above Laurentian; strata in all *ca* 18,000 ft thick; schist, slate, silicious grits, limestones.

Cambridge, anctly. Camboritum, chf. ⊙ Cambridgesh., Eng., on Cam; univ. incl. 17 colls & halls, & *ca.* 36 profs, with *ca.* 12,300 membs. Univ fnded *ca.* 626, revived 1110; rets. 2 M.P.s. Inh. of ⊙, 41,000; rets. 1 M P.

Cambridge, ⊙ Mass, U S.A, sub. of Boston; 55,000 inh.; Harvard Univ. fnded. 1638.

Cambridge, Dk. of, 1] Adol. Fredk., s. of K. Geo. III., * 24/2 1774, created dk. 27/11 1801, m. Augusta (* 33/7 1797.), dau. of Landgrave of Hesse, 1/5, 1818, viceroy of Hanover till 37, † 8/7 50 Kew. 2] His s. Geo. W. F. C., Brit. fld.-marsh., * 26/3 1819 Hanover; comd. div. of Guards in Crimea 54, comdr.-in-chf. of Brit. army 56, fld.-marsh. 62.

Cambridge, Rich. Owen, ✓, * 1717 London, † 1802. "The Scribleriad."

Cambridgeshire, inland co. of Eng. ✓; 820 s.m., 186,000 inh. Co. rets. 3 M.P.s: N. (Wisbech), E. (Newmarket), W. (Chesterton).

Cambronne, P J. E., Ct., genl., * 26/12 1770 nr. Nantes; fought under Napol., comd. Guard at Waterloo, prisoner; govr. of Lille 1820, † 5/8 42.

Cambuscan, myth. k. of Sarra, in Tartary.

Cambyses, 2nd k. of Pers., s. of Cyrus the Grt., succeed 529 B.C.; conqrd. Egypt, † 522 Ecbatana.

Camden, ⊙ S. Carolina, U.S.A., on Wateree. ⚔ 16/8 1780, Brit. vict; ⚔ 25/4 81, Brit. deftd.; C. evactd. by Brit. 9/5.

Camden, 1] Chas. Pratt, 1st earl of, Eng ✓, * 1713; Chf. Just. of Comm. Pleas 62, Ld. Chanc. 66–70, Presdt. of Council 82, † 94. 2] John Jeffreys Pratt, 1st marq., * 1759; M.P. 80, viceroy of Ireland 95–98, † 1840.

Camden, Willm, ♛ & Ψ ✓, * 2/5 1551 London, † 9/11 1623 Chislehurst; master of Westminster Sch. 1593–97, fnded. C prof of ♛ at Oxford. "Britannia," &c

Camden Society, for printing ♛ & Ψ documents Fnded. 1838.

Camdeo, Hindu myth, god of love.

Camel, ord. name for *camelus dromedarius* & *camelus bactrianus*, former having 1 hump, & latter 2, on the back.

Camellia, ♂, genus of plants, ord. *ternstrœmiaceæ*, near akin to

tea-plants; E. Himalayas, China, Japan, &c. Orig. spec. introduced to Eng. was *C. japonica*.

Camelopard, zool., the giraffe, *camelopardalis giraffa*.

Camelopardalis, ✱, constellation nr. N. pole of heavens, betw. Grt. Bear & Cassiopeia.

Camelot, in Arthurian rom., Winchester, or Queen's Camel, Somersets. or Camelford, Cornwall.

Cameo, prec. stone carved in relief; stone should be composed of layers of diff. colours, *e.g.* onyx, agate.

Camera Lucida, inventd. by Wollaston († 1828), apparatus for throwing image of extern. objects on a surface for purposes of drawing or amusement.

Camera Obscura, or Camera, darknd. chamber having lateral opening fitted with lens, through which images of extern. objects fall & are reproduced on ground glass or photographic plate.

Camerarius, Joachim, ✓, 12/4 1500 Bamberg, † 17/4 74 Leipzig. "Biography of Melanchthon."

Cameron, 1] Rich., Scot. Pres preacher of 17th cent, fnder. of Reformed Presb. Ch., killed at ⚔ Aird's Moss 20/7 1680; his followers formd. nucleus of Cameronian regt. 2] Verney Lovett, ⚓ offr. & travlr, • 1/7 1844; to Zanzibar 73, fnd. Livingstone's body; to Ujiji 74, explored Tanganyika & source of Congo; to Benguela 75; to the East 78; commander R.N. 76, C.B. 76. ✓ "Across Africa." 3] John, Scot. †, • 1579, prof. of divin. Glasgow, † 1625. 4] Simon, Amer. statesm., • 8/3 1799 Penn, senatr. 45, cand. for Presidcy. 60, Sec. of War 61, min. to Russ. 62.

Cameroons, ⛵ nr. mth. of C. A., opp. Fernando Po, Bay of Biafra, W. Afr.; highest pt. 13,000 ft. Victoria, ⊙ at foot, is Brit.; most of surrounding dist. is Germ.

Camillus, Marc. Furius, Rom. hero, 5 times dictator, † 365 B.C.

Camisards, Protestant sect of Cevennes who resisted revocatn of Edict of Nantes.

Camlan, in Arthurian myth., ⚔ 542, in which A. received death-wound.

Camlet, fine cloth of goat's hair.

Camoens, Luis de, Port. ep. ✓, • *ca*, 1524 Lisbon, † there in want 10/5 80. "Os Lusiades."

Camomile, ✿, a Brit. plt., *anthemis nobilis*. Blue C., *aster trifolium*. German C., *matricaria chamomilla*. Red C., *Adonis autumnalis*.

Camorra, Soc. of Neapolitan criminals that for many years set law at defiance.

Campagna di Roma, plain in Cent. Ital., nr. Rome; volcanic, unhealthy; now being drained.

Campagnola, 1] Guil., copper engraver, • 1481 Padua 2] Domenico, Ital. ✎, 16th cent.; pupil of Titian.

Campan, Mme. Jeanne L. H., *née* Genet, • *ca.* 1750; lady of bedchamber to Marie Antoinette; superintend. of School of Ecouen 1806, † 1822 Mantes. ✓ "Memoires."

Campanella, Tomaso, Ital ⚓ & monk, • 1568 Stilo; imprisoned 1599–1626 Naples, † 21/5 1639. ✓; forerunner of Bacon & Lassalle.

Campanello, ♪, Ital. = after the manner of bells.

Campani, Matt. & Gius., 2 brothers, optic. & ✱, of 17th cent.

Campania, anct. prov. of Ital., incl. mod. provs. of Benevento, Naples, Salerno, Avellino, Caserta. Chf. ⊙, Capua.

Campanile, a bell-tower, genlly. separated from the ch. or bldg. to which it belongs, *e.g.* at Chichester Cremona, Florence, Pisa, Seville.

Campanula, ✿, the bell-flower *C. rapunculus* is rampion. Of Brit spec. *C. latifolia* has large white or flowers; *C. rotundifolia* is harebell, or bluebell of Scotland.

Campanus, John, transltr. of Euclid from the Arabic; Novara *ca.* 1200.

Campbell, 1] Thom., poet. & misc. ✓, * 27/7 1777 Glasgow, † 15/6 1844. "Pleasures of Hope," "Gertrude of Wyoming." 2] John, Lord, ⚖, * 15/9 1779 Springfield; M.P. 1830, minist. 34, Ld. Chanc. of Eng. 59, † 23/6 61. ✓. 3] Sir Colin, Lord Clyde, Brit. genl., * 1792 Glasgow; fght. in Sp. 1808, in N. Amer 14–15, in China 41, in Ind. 51, in Crimea 54; comd. during Ind. Mutiny; peer; fld.-marsh. 62, † 14/8 63 Chatham. 4] Geo., Scot. †, * 1709; Prin. of Marischal Coll. 59, † 96. ✓. 5] John, biog., ✍, polit., & statist. ✓, * 8/3 1708 Edinburgh, † 28/12 75. "Lives of the Admirals." 6] Lds. of Argyll, v. Argyll. 7] Sir Alex., Brit. genl., * 1759 Perthsh.; govr. of Madras 94, commr.-in.chf. in Madras 1820, † 24. 8] Sir Archibald, Brit. genl., * ca. 1770; captd. Rangoon 1823, † 43. 9] James Colquhoun, †, * 1813 Argyllsh., archdeac. of Llandaff 57, bp. of Bangor 59.
10] Sir Geo., polit. & statesm., * 1824; lieut.-govr. of Bengal 71–75, M.P. 75.

Campbell-Bannerman, Hen. * 1836; Fin. Sec. of War Off. 71–74, 80–82, Sec. to Admlty. 82–84, Sec. for Ireland 84, Sec. for War 86.

Campbeltown, ⚓ ⊙ Argyllsh., Scot., site of anct. cap. of kingdm. of Dalriada; whisky; 7,600 inh.

Campe, Joach. H., ✓ for children, * 29/6 1746 Deensen, † 22/10 1818. "Robinson der Jungere."

Campeachy, ♛ ⚓ ⊙ Mexico; cap. of state of C.; logwood, wax, cotton, tobacco; 20,000 inh.

Campeggio, Lorenzo, Card., * 1474 Milan; papal legate to Eng. in matter of Henry VIII.'s divorce; † 1539 Rome.

Camper, Peter, anat. & ⚕, * 11/5 1722 Leyden, † 7/4 89. ✓.

Camperdown, villg. on coast of Holland. ⚓ ⚔ off the place 11/10 1797; Eng. vict.

Camphausen, 1] Ludolf, * 3/1 1803 Hünshoven; Pruss. minist. 48.
2] His brother, Otto, banker & statesm., * 21/10 1812; Fin. Min. 69, V.-Presdt. of M. 72, retired, 78. 3] Will. v., ✍ ⚗, * 8/2 1818 Düsseldorf; prof. there.

Camphine, ⚗, $C_{10}H_{16}$; a cryst. hydrocarbon obtaind. by action of sodium stearate on a solid compd. of HCl & turpentine.

Camphor, substance obtnd. by distilling with water leaves & wood of *camphora officinarum*, of Formosa, &c. In ⚗, $C_{10}H_{16}O$; a tough white volat. cryst. mass w. pecul. odour; solub. in alcohol & ether. Used in ⚕ as antispasm. & stimul.; enters into union with opium as paregoric. It is not disinfectant, but keeps away insects. Borneo C. is from *dryobalanops aromatica*, & has 6-sided crysts.

Campian, Edm., Eng. Jesuit, * 1540, hanged 1581.

Campion, ❀, *lychnis*. Meadow C. is *L. floscuculis*. Corn C. is *L. githago*. Red C. is *L. diurna*.

Campo Formio, Ital. villg. in prov. Udine. Treaty betw. Aust. & Fr. 17/10 1797.

Campo Santo, Ital. = cemetery.

Campoamor, Ramon de, Span. poet. & ⚖ ✓, * 1820.

Campomanes, Pedro de, Span. statesm., * 1723 Asturias, † 1803; reformer. ✓.

Campos, Martinez, Span. statesman, * 34; restrd. Alphonse XII. 74.

Camptulicon, v. Kamptulicon.

Campus Martius, field in anct. Rome used for military sports & exercises. Hence the Champ de Mars, Paris.

Camulodunum, anct. ⊙, Colchester; Rom. colony 60, taken by Boadicea 62.

Camus, 1] Jos. des, math., * 1672, † 1732 England. ✓. 2] Chas. E. L., math., * 1699, † 1768. ✓. 3] Nich. le, of Mézières, ⚠, * 1721, † 89. ✓.

Camwood, wood of legumin. plnt. *baphia nitida*, yielding red dye.

Canada, Dominion of, the whole

of Brit. N. Amer., except Newfoundland; consisting of provs. of Nova Scotia, New Brunswick, Prince Edward Island, Quebec, Ontario, Manitoba, Brit. Columbia, North-West Territory, & distrs. of Assiniboia, Alberta, Keewatin, Saskatchewan, & Athabasca; 3,580,310 s.m., 4,410,000 inh. Cap. ⊙, Ottawa. Govd. by Govr.-Genl., Privy Council, Senate, & Ho. of Commons; each prov. having lt.-govr. & separt. administrn. Rys. 8,900 m.; canals 2,384 m.; rev. *ca.* £6,670,000, expend. *ca.* 6,450,000; debt *ca.* £51,000,000; imp. *ca.* £24,500,000, exp. *ca.* £19,000,000; active militia 37,000, reserve 655,000. *Prodcts.*: cattle, corn, fruit, maize, timber, iron, lead, copper, nickel, zinc, silver, gold, platinum, bldg. stone, asbestos, mica, graphite, coal, petroleum, salt, peat; bear, wolf, fox, minx, hare, sable, racoon, beaver, otter, deer, buffalo, moose; snipe, partridge, quail, duck, goose, curlew, eagle, hawk, prairie hen, owl; cod, salmon, trout, bass. ⊙*s*: Montreal, Toronto, Quebec, Halifax, Hamilton, Ottawa, St. John, Winnipeg, Victoria. ⚓*s*: St. Lawrence, Montreal, Albany, Severn, Nelson, Peace, Athabasca, Red Deer, Assiniboine, Saskatchewan, Fraser, Thompson. *Lakes*: Superior, Ontario, Huron, Erie, Nipigon, Mistassini, Winnipeg, Woods, Wollaston, Deer, Manitoba, Winnipegosis, Grt. Slave, Grt. Bear. ⛰*s*: Rocky, N.W. Coast, Peak. ♛: Discovd. by Cabot 1497, Fr. possession 1525, ceded to Grt. Brit. 1763; Ontario, Quebec, N. Scotia, & N. Brunswick united 1867, Manitoba admitted 70, Brit. Columbia 71, P. Edw. Island 73.

Canada Balsam, pale oleoresin from Amer. silver-fir, *abies balsamea*; used for mounting. microscopic objects.

Canadian Pacific Railway, Montreal to Port Moody, Brit. Columb., 2,898 m., opened Nov., 1885.

Canaille, Fr. = dregs; the rabble.

Canal, artific. waterway for inland navigation, or for supply of water. First in Europe cut by Xerxes across isthm. of Athos. C. betw. Nile & Red Sea opened 605 B.C. C. of China, 825 m., made 7th & 9th cents. In Eng., Trent & Witham united 1134; Bridgewater C. begun 1759; Caledonian C. opened 1822. In Amer., Erie C. begun 1817, opened 22. Suez C., connecting Mediterr. & Red Seas, opened 17/11 69.

Canaletto, 1] or Canale, Antonio, △ ●, * 18/10 1697 Venice, + there 20/4 1768. 2] His neph. & artistic successor, Bern. Bellotto, * 1724 Venice, + Warsaw; painter of Venetian canal scenery.

Canara, *v.* Kanara.

Canary, light wine; also calld. sack.

Canary, ornith., cage singing-bird, *carduelis canaria*, brought from C. Isles 16th cent.

Canary-creeper, ●, wrongly calld. canariensis, *tropæolum adunc*um.

Canary-grass, ●, *phalaris canariensis*, seed used as food for cage-birds; cultivated in Kent.

Canary-wood, yellow orn. timber of *persea indica* or *P. canariensis* of S. Amer.

Canary Islands, group belonging to Sp., in Atlant., off N.W. Afr.; 3,800 s.m., *ca.* 275,000 inh. *Chf. isles*: Teneriffe 900 s.m., peak 12,000 ft.; Grand Canary, 758 s.m.; Lanzarote, Fuerteventura, Gomera, Palma, Hierro, all volcanic & hilly. Corn, fruit, tobacco, sugar, cotton, silk, cochineal, barilla. ⊙*s*: Santa Cruz in Teneriffe, Palmas in G. Canary. Colond. by Sp., 15th cent.

Cancan, Fr. dance, riotous & indecent; species of quadrille.

Cancellaria, zool., gen. of univalve *testacea*, fam. *muricidæ*, with turbinate scabrous shells.

Cancer, zool., gen. of crustaceans, typ. of fam. *cancerida*. C.

pagurus is the edible crab; casts its shell in early spring.

Cancer, ♋, The Crab: constellation on the ecliptic, one of signs of zodiac. Chf. star, Præsepe, or the beehive.

Cancer, ♯, malignant growth occurring in human body, having tendency to spread & end in death. May be removed, but is likely to recur.

Cancer, Tropic of, *v.* Tropics.

Cancionero, Sp. = song-book.

Cancrin, Geo., Ct., statesm., * 8/12 1774 Hanau; to Russ. 96, Fin. Min. there 1823, + 21/9 45 Paulovski.

Candace, Q. of Ethiopia in 1st cent.; succeeding queens bore the title.

Candahar, *v.* Kandahar.

Candareen, Chin coin = *ca.* ½d.; a Chin. weight = 5·79 grs. troy.

Candaules, k. of Lydia, + 716 B.C.; exposed his wife's charms to Gyges, who murd. him.

Candia, anctly. Crete, Turk. island in Mediterr., S.E. of Greece, 160 m. long, 3,300 s.m.; 290,000 inh.; interior ▲ous, fertile; olive, silk, wine, fruit, sponge. Chf. ⊙, Candia, 15,000 inh. ▲s, Theodoro 8,000 ft., Ida. Inhs. chfly. Grk. ☸. Indept., prov. of Rom. Emp., sold to Venetians 1204, Turk. 1669 after besieging cap. ⊙ for 20 years.

Candiano, name of 5 doges of Venice 886–977.

Candleberry, 1] or C. myrtle, Amer. shrub, *myrica cerifera*, calld. wax-myrtle. 2] A tree, *aleurites triloba*, producing candle-nuts, wh. yield a green wax.

Candlemas, feast of B. C. Ch., 2/2, in celebration of Purif. of B. V. Mary. In Scot., C. is one of the four term-days.

Candolle, Alph. Louis P. P. de, ♯, * 27/10 1806 Paris. ♂.

Candy, or Maha Neura, ⊙ Ceylon, 1467 ft. above sea; summer seat of govt.; 18,000 inh.

Candy, Ind. weight. In Madras = 500 lbs. In Bombay = 560 lbs.

Candytuft, or Candy-mustard, ♯, Eng. name of several specs. of *iberis*.

Cane, the rattan, *calamus rotang*; the sugar-cane, *saccharum officinarum*; name for endogenous plnts. of thin, tenacious woody stem, of ords. *graminaceæ* & *palmaceæ*.

Cane, meas. of length. Naples = 7 ft. 3½ in.; Toulouse = 5 ft. 8½ in.; Provence = 6 ft. 5½ in.

Canea, the W. sanjak of Candia. Chf. ⊙, C., 10,000 inh., trade.

Canella, gen. of orn. trees. *C. alba* is wild cinnamon, Bahamas; yields warm aromatic oil.

Canephoræ, ▲, figures bearing baskets on their heads.

Canes Venatici, the Hounds, ✶, constell. in N. celest. hemisph. betw. Grt. Bear & Berenice's Hair, contg. bright star Cor Caroli.

Cang, or Kea, heavy wooden collar, used as instr. of legal torture in China.

Canicule, or Canicula, ✶, constellation Dog-star; hence canicular days, July to Aug., when dog-star rises & sets with the sun.

Canigou, ▲ in Pyrenees, 10,000 ft.

Canina, Luigi, Ital. Ψ & ▲, * 1793 Casale, + 1856 Rome. ♂.

Canis, zool., the gen. dog, incl. common dog, *C. familiaris* (spaniel, hound, pointer, &c.); wolf, *C. lupus*; & jackal, *C. aureus*.

Canis Major, the Greater Dog, ✶, constelln. in S. celest. hemisph., nr. Milky Way, S.E. of Orion, & incl. Sirius, the Dog Star, most brilliant in heavens.

Canis Minor, the Lesser Dog, ✶, constelln. in S. celest. hemisph., E. of Orion; conts. bright star Procyon.

Canisius, Peter, Germ. Jesuit, * 1524, + 21/12 97; beatified for his opposition. to Protestantism 1864.

Canitz, Fried. Rud., Baron v., satir. ♂, * 27/11 1654 Berlin, + 16/8 99.

Canker, fungoid dis. of horse's foot; often incurable. Ulcerous disease in pigeons, fowls, dogs, &c.

Cannabich, J. G. F., ♀ ♂, • 21/4 1777 Sondershausen, † 2/3 1859.

Cannabic Composition, amalgamation of hemp & resin in sheets; can be stamped & painted; used for covering walls, &c.

Cannabis, ♃, the hemp genus. *C. sativa* is common hemp. Native of Ind. & Pers.; contains narcotic gum, from which gunjah, bhang, & hachish are prepared.

Cannæ, anct. ♁, ⊙ in Apulia. ✕ 216 B.C., Roms. deftd. by Hannibal. Now Cannes.

Cannel Coal, Candle Coal, bituminous var. of coal, bluish or greyish black; often cakes; used in mnf. of oils & gas; yields 40–65 per cent. of volat. matter.

Cannes, ⚓ ⊙ nr. Nice, S. Fr., on Mediterr.; winter resort; 11,000 inh; *v.* Cannæ.

Cannibal, an eater of human flesh; prob. from Caribals, nats. of Cariba, or St. Domingo.

Canning, 1] Geo., Eng. statesm & orator, • 11/4 1770 London; M.P. 98, friend of Pitt, For Sec. 1807–9, ambass. to Lisbon 14–16, presdt. of Indian Board of Control 17–20, Govr.-Genl. of India 22, but did not go out; For. Sec. 22, Premier 27, † 8/8 27. 2] His s. Charles John, E. & Visct., • 14/12 1812; Govr.-Genl. of Ind. 55–62, † 17/6 62. 3] Sir Stratford, *v.* Redcliffe. 4] Sir Saml., teleg. ⊕, • 21/7 1823 Ogbourne St. Andrew; with H. Clifford made machinery for Atl. cable of 66, kntd. 66.

Cannock, ⊙ Staffordsh.; 17,000 inh.; coal ⚒.

Cannon, genl. name for a piece of artillery; tube of brass or iron for discharge of projectiles by explosion of gunpowder. Introd. to Europe 14th cent., used at Calais 1346, Chioggia 1366, Cressy 1346, Bruges 1382. Hollow bronze & iron cannon cast in Eng. 1521 & 47. Some early C. were breechloaders. Since 18th cent. guns have been cast solid & then bored. Rifled C. first used 1859.

Cano, Alonzo, ♥ & ♀, • 19/3 1601 Granada, † there 6/10 67.

Canoba, Hindu myth., god of the arts.

Canoe, any light boat, esp. one cut from tree-trunk or made of bark; propelld. by paddles; genlly. double-bowed.

Canon, Joh. (von Straschiripka), port. & ♛ ♥, • 1820 Vienna.

Cañon, in U S. & Sp. Amer., narrow water-course with steep banks.

Canon, 1] rule or standard, applied to recvd. books of Bible; to eccles. ⚖. 2] A cathed. dignitary who takes his turn in conducting div. service, & who is a member of the Chapter.

Canonisation, in R. C. Ch., act of declaring a deceased person a saint, & so ranking him; performd. by Pope in St. Peter's; preced. by beatification, or declaratn. that the person is blessed; only effected after solemn inquiry.

Canopus, 1] anct ? Low. Egypt, nr. Alexandria, giving name to Canopic mth. of Nile; temple of Serapis. 2] ✶, star of 1st magn. in Argo 3] Grk. form of Cnuph, Egypt. deity, god of water

Canossa, Ital. ⊙ nr. Reggio; castle. Emp Hen. IV. went there 1077 to beg forgiveness from Pope Gregory VII.

Canova, Antonio, ♀, • 1/11 1757 Possagno, † 13/10 1822 Venice. "Venus"

Canovas del Castillo, Anton., Span. statesm., • 1831; min. 64–68; assistd. in restoratn of K. Alphonso, Premier 74, 79, 80–81, 84–85.

Canrobert, Franç. C. de, Fr. marsh., • 27/6 1809 St. Cerré; in Algiers 35, brig.-genl 50, comr.-in-chf. in Crimea 54, marsh. 55, comr. in Ital. war 59, prisoner at Metz 70; senator.

Canstein, Karl H. v., Germ. philanth., • 1667, † 19/8 1719.

Cantabile, ♪, It., in a flowing, melodious manner.

Cantabria, anct. dist. of Sp., now Montañas de Santander; subd. by Augustus 25 B.C.

Cantal, dept. of Cent. Fr., pt. of old prov. of Auvergne; 2,217 s.m., 232,000 inh. Cap. ⊙, Aurillac.

Cantaloupe, variety of small, ribbed musk-melon.

Cantar, meas. of weight. Rome = 75 lbs.; Cairo = 45 lbs.; Sardinia = *ca.* 44 lbs; Syria = *ca.* 500 lbs. In Sp., liquid meas. from 2–4 galls.

Cantata, 𝄞, short work in form of oratorio, without dram. pers.

Canteen, wine-cellar; place of refreshmt. for soldiers; soldier's water-bottle.

Cantemir, 1] Demetrius, ♛ & 𝄞 /, * 1673; Turk. govr. of Moldavia 1710, revolted to Russ., † 1723 in Ukraine. 2] His s. Antiochus, Russ. amb. to Paris, † 1744.

Canterbury, ⊙ Kent, Eng., anctly. Durovernum, or Cantuaria; 1st settlement of St. Augustine 596; cathed. blt. 12th cent., archbpric. & metrop. of Eng. Ch.; tomb of Black Prince & T. à Becket; 21,800 inh. Rets. 1 M.P.

Canterbury, Edward White Benson, archbp. of, 93rd archbp., * 1829; hd.-mastr. Wellington Coll. 58–72, preb. of Lincoln 69, 1st bp. of Truro 77, archbp. of C. 83.

Canterbury, co., formly. prov. of N. Zealand; 13,578 s.m., 78,000 inh.; fnded. 1850. Cap. ⊙, Christchurch; chf port, Lyttelton.

Canterbury-bell, ✿, *campanula medium,* or *trachelium;* or *cardamine pratensis.*

Cantharides, entom., Spanish-flies, or blister beetle-flies. The *cantharis vesicatoria* is a coleopterous insect of Hung., Russ., & S. Fr., contg. cryst. subst., cantharidine. Used in ✠ as rubefacient & vesicant, diuretic & aphrodisiac.

Cantharus, ichth., gen. incl. *C. griseus,* or black bream.

Cantii, anct. Brit. tribe occupying pt. of Kent & Surrey.

Cantilever, ◬, bracket.

Cantilupe, St. Thos. de, Chanc. of Eng. 1265, † 82; last of Eng. saints canonised.

Cantire, penins. of Argyllsh., W. Scot., 40 × 6½ m.; extremity calld. Mull of C.; lt.-house; 18,000 inh. Chf. ⊙, Campbeltown.

Canto, a divisn. or "book" of a long poem.

Canton, a distr.; esp. one of the states forming the Swiss Confed.

Canton, port & cap. ⊙ of prov. Kwantung, China, on Choo-Keang, 80 m. from sea; sole open port till 1842; grt. trade, tea, nankeen, silk, mother-of-pearl, tortoiseshell, camphor; liable to typhoons; 1,600,000 inh.

Canton, John, electr. & ✿, * 31/7 1718 Stroud, † 22/3 72; invtd. a methd. of making artif. magnets.

Cantù, Cesar, ✍, rom., & polit. /, * 5/9 1807 Brivio. / "Storia Universale."

Cantwell, And., ✠, * Tipperary; prof. of surg. at Paris 1750, of pharmacy 62, † 64. /.

Canun, or Kanoon, 𝄞, spec. of zither used in Turk. harems.

Canute, or Knut, 1] II., Dan. k. of Eng., * *ca.* 995, succeed. his father Sweyn 1014, opposd. by Edm. Ironside, who † 17; sole k.; conqd. Norway, † 1035 Shaftesbury. 2] III., his s. called Hardicanute (*q.v.*). There were 4 other Dan. kings of the name.

Canvas-back, spec. of duck, *fuligula valisneria,* of N. Amer.; much esteemd. for eating in winter.

Canzonet, 𝄞, short song for solo voice.

Caoutchouc, india-rubber, inspissated juice of *siphonia elastica, S. braziliensis, S. lutea, S. brevifolia; ficus elastica,* the india-rubber tree; *castilloa elastica, urceola elastica,* &c. Used in arts, for waterproofing, &c. Vulcanised by admixture of sulphur in heat.

Cap-à-pie, Fr. = head to foot.

Cap of Maintenance, cap of dignity, anctly. belonging to rank of duke; fur cap of Lord Mayor of London; cap carried before Brit. sovs at coronation.

Cape Breton Island, pt. of prov. of Nova Scotia, Dom. of

Canada; N.E. of Nova Scotia, from wh it is separd. by Gut of Canso; coal ⚒; 8,120 s.m., 35,500 inh. Cap. ⊙, Sydney.

Cape Coast Castle, Brit. settlement; a ⊙ forming pt. of Gold Coast Colony, W. Afr.; 10,000 inh.; ivory, copal, palm-oil.

Cape Colony, colony of Grt. Brit., forming S. extrem. of Africa, & incl. Cape Colony proper, Griqualand West & East, Fingoland, Idutwa Reserve, Tembuland, Emigrant Tembuland, Borwana Land, Port of St. John's, Walfish Bay, & Pondoland, w. the Transkeian territories; 240,150 s.m.; 1,350,000 inh. ⛰s: Roggeveld, Nieuveld, Winterstorm. ⛵s: Camtoos, Kei, Orange, Grt. Fish. *Products:* Wood, corn, rice, wine, gum, ostrich feathers, cattle, diamonds, copper, manganese. *Inhabts.:* Hottentots, Bosjesmans, Boers, Kaffirs, Bechuanas. Cap. ⊙, Cape Town. ⊙s: Port Elizabeth, East London, Port Alfred, Simons Town, Kimberley, Stellenbosch, Beaufort, Graaf Reinet, Graham's Town, Tullagh. Rys. 1,550 m.; telegs. 8,700 m. Colon. army 4,022 men. *Govt.:* Govr., legislat. counc., & Ho. of Assembly. ✍: Discovd. by Bartholomew de Diaz 1486, Cape doubled by Vasco de Gama 1497, taken form. possessn. of by Brit. 1620, colond. by Dutch 1652–1795, taken by Brit. 1795, restord. to Dutch at P. of Amiens; taken by Brit. 1806.

Cape Haytien, ⚓ ⊙ N. Haiti; 15,000 inh.

Cape Jasmine, ❀, fragrant plnt., *gardenia florida.*

Cape Town, cap. ⊙ of Cape Colony, S. Africa, on Table Bay; fnded. by Dutch 1650; ⚙; 85,000 inh.

Cape Verde Islands, off W. coast of Afr., in N. Atlant., belong. to Port.; ⛵ous. Chf. isles, St. Jago, St. Vincent, St. Antonio, Boavista, St. Nicolao. Cap. ⊙, Porto Grande. Sugar, cotton, coffee, coral, turtles; 1,850 s.m., 100,000 inh. Disco. by Port. middle of 15th cent.

Capefigue, B. Honoré R., ✍ ✓, * 1802 Marseilles, † 23/12 72.

Capel, 1] Arth., Roy. officer in Parlt. Wars, * 1600; defend. Colchester, created peer 41, † 49. 2] His s. Arthur, Visct. Malden & E. of Essex, * 1635; Lord-Lieut. of Ireland 72, commitd. suic. in Towr. 83. 3] Thos. John, Eng. R. Cath. orator, * 28/10 1836; Chamberlain to Pius IX. 68, domest. prelate 73, rector of Cath. Univ. of Kensington 74–82.

Capell, Edw., editor & Shaksp. crit. ✓, * 1713 Troston, † 81.

Capella, or Capra, Grk. myth., nymph, or she-goat, who nursed Zeus in Crete. In ✱, star of 1st magn. in Auriga.

Capello, Bianca, Venetian, m. 1578 to Dk. Franc. di Medici; poisoned with him 19/10 87.

Caper, ❀, *capparis spinosa,* S. Europ. plnt. producing flower-buds used in sauces & pickles; a kind of tea. Wild C., *euphorbia lathyris,* has purgative seeds.

Capercailzie, ornith., wood-grouse, mountain-cock, or cock of the woods, *tetrao urogallus,* a large spec. of grouse; Scot., Norway.

Capern, Edw., postman & poet. ✓, * 29/1 1819 Tiverton; "Poems" 56, "Wayside Warbles" 65.

Capernaum, anct. ⊙ Galilee, Palestine; now Tel-Houm.

Capet, Hugo or Hugues, fnder. of Fr. Capet dyn.; * 933 of low origin, abbot of St. Martin de Tours, Dk. of the Franks, † 996. Capet was family name of Fr. kings for 900 years; but the dyn. was divid. into 3 lines, Capet, Valois 1328, & Bourbon 1589.

Capias, Lat. = you may take. In Eng. ⚖s, name of several writs against the person.

Capillaire, pectoral syrup prepared from maidenhair, *adiantum capillus-veneris;* flavd. w. orange-flower water.

Capillaries, physiol., minute

blood vessels pervading every part of the body & connect arteries & veins visible only through microscope, aver diam in man $\frac{1}{3000}$ in

Capillary Action, capillarity, in phys science phenomenon observed when liquids are in contact with solid surfaces Liq rises against solid, in hair tube liq rises in proportn to smallness of tube, but only when the liq can adhere to the solid Process of rise of sap in plants, & of oil in wicks

Capital, ⚠, uppermost pt of a column above shaft, & below entablature

Capite censi, Lat = counted by the poll, the lowest rank of Rom citizens

Capitol, temple of Jupiter on Tarpeian or Capitoline Hill, anct Rome completed 507 B C, but thrice burnt & rebuilt Hence the collection of ☉s & bldgs on C Hill Modern C erected from designs by Michael Angelo

Capo d'Istria, Count, * 1780 Corfu, enterd Russ serv 1806, min to Switz 13, Presdt of Greek govmt 28, assassd 27/10 Napoli di Romania

Capon, cock chicken castrated to improve its flesh for the table

Cappadocia, anct prov of Asia Min, pt of Persian Emp, afterwards independt, then Rom. prov 17 Cap ⊙, Cæsarea.

Capponi, Gino, ♛ ✓, * 14/12 1792 Florence, Premier of Tuscany 1848, † 3/2 76 "History of the Florentines"

Capra, zool., gen. of ruminant mammals, incl. true goats *C hircus* is domestic goat. *C ibex* is alpine ibex.

Caprera, one of Buccinari Isles in strait of Bonifacio, 15 s m, residence of Garibaldi 1854–82

Capri, anct ⊕ Capreæ isle in Mediterr, 20 m s of Naples, 9 m in circumf, Rom ruins, 6,000 inh, grottos

Capric Acid, or Rutic Acid, ⚗, $C_{10}H_{20}O_2$, monatomic fatty acid in butter, fusil oil, &c, with hircine odour

Capriccio, ♫, a compositn in a fantastic style

Capricorn, Tropic of, v Tropics

Capricornus, the Goat ♑ constellation in S celest hemisph, one of signs of the zodiac

Caprification, process by wh maturing of figs is hastened in Levant The insect *cynips psenes* is induced to lay its eggs in the fruit

Caprifoliaceæ, ✿, the honeysuckle fam, incl common honeysuckle, or woodbine, *lonicera periclymenum* elder, guelder rose, laurustinus snowberry There are 16 gens & 230 specs.

Caprimulgidæ, ornith goatsuckers or night jars, fam akin to swallows & swifts, 3 sub fams Eng goat sucker is *caprimulgus europæus* night hawk, night-churn, or fern owl

Capsicum, ✿, gen. of *solanaceæ*, consisting of ann. or bienn plts with membranous pods containing pungent seeds *C annuum* yields chillies *C frutescens* yields cayenne pepper

Capstan, ⚓, strong, upright cylinder movable on its axis by means of levers & fixed on deck of a ship to serve as a reel for winding heavy ropes, &c

Capsule, ✿, dry compnd fruit, opening by valves or pores, *e g* fruit of primrose & poppy

Captain, ⚔ & ⚓ title of rank In army, C commands a troop, company, or battery In ⚓, C commands a ship & ranks with a lieut col in the army C is used loosely for chief or leader

Captain of the Fleet, temporary naval appointmt, ranks as flag offr, wears unif of rear adml, acts as adjutant genl of a fleet

Capua, ⊕ ⊙ Ital, on Volturno, 12 500 inh Anct C lay 2 m from site of mod ⊙, & is now Sta Maria di Capua.

Capuchins, a branch of the

Franciscan ord. of R. Cath. monks; missionaries; formed into separ. branch 1528.

Capucine, ✿, the nasturtium.

Caput Medusæ, palæont., spec. of pentacrinite.

Caput mortuum, Lat. = dead head; residuum, worthless remnt.

Capybara, or Water Hog, zool., *hydrochærus C.*, the water-cavy of Braz., akin to Guinea-pig.

Caqueux, gipsy race of Brittany, sim. to the Cagots of Gascony.

Carabidæ, entom., fam. of predatory coleoptera; ground or garden beetles; over 60 gen. in Brit.

Carack, or Carrick, large ship of burden; galleon.

Caracal zool., spec. of lynx, *felis caracal;* Afr., Pers., Turk.

Caracalla, Marc. Aurel. Anton., Rom. Emp., s. of Septim. Severus, * 188 Lyons, succeed. 211; murd. his brother Geta & 20,000 other pers.; assassd. 217 Edessa.

Caracara, ornith., S. Amer. bird of sub-fam. *polyborinæ.*

Caracas, cap. ⊙ Venezuela, 3,000 ft. above sea; earthquakes, 12,000 killed 1812; 56,000 inh.

Caracci, 1] Lodovico, ●, † 1555 Bologna, † there 1619. 2] His nephew, Agostino, ●, * 16/8 1557 Bologna, † 22/3 1602 Parma. 3] His brother, Annibale, ●, * 3/11 1560 Bologna, † 15/8 1609 Rome. The 3 fnded. the Academy of Bologna, & the Eclectic school.

Caraccioli, Francesco, Neapol. admir., * 1770; joined Parthenopean Republic, surrend.; executed by Nelson, 1799.

Caracoly, alloy of gold, silver, & copper, for cheap jewellery.

Caractacus, Brit. prince of Silures; resisted Roms., betrayed by Cartismandua, Q. of Brigantes, 51; pard., but remained in Ital.

Caradoc, Welsh ⚒ ⁄, † ca. 1154.

Caradoc, or Bala Rocks, ⚒, group of strata of Silurian syst.: shales, sandstones, & limestone; series from 4,000–12,000 ft. thick; cont. trilobites.

Caraffa, noble Neapol. fam., produced Pope Paul IV. (*q.v.*), & M. H. Aloys V. P. Caraffa de, Colobrano, ♞, * 17/11 1787 Naples, † 1872. *Solitaire, Masaniello.*

Caragana, ✿, Siberian pea-tree, of sub-tribe *galegeæ.*

Caragheen Moss, Irish Pearl Moss, spec. of seaweed, *sphærococcus crispus;* used for makg. jelly.

Caraipa, ✿, gen. of *ternströmiaceæ. C. fasciculata* prods. balsam of tamacouri, a specific for the itch.

Caramel, ⚗, subst. produced by heating sugar; dark brown, nearly tasteless, odorous.

Carapa, ✿, gen. of *meliaceæ.* Bark of *C. guianensis* is febrifuge.

Carapace, the upper shell of any crustacean.

Carat, originlly. name of seed of Abyss. Coral-tree, used in weighng. Hence a jeweller's weight = 3½ grs. Troy. With respect to gold, C. signifs. ratio of purity: 24 carats = pure gold; sterling, or 22 carat gold = 22 pts. pure gold & 2 pts. of alloy. The No. of carats of fineness is often indicated by a figure forming pt. of the Hall-mark (*q.v.*).

Carausius, Marc. Aurel. Valerius, Rom. ⚔, * 250 Flanders, usurpd. crown in Brit., assassd. 239.

Caravaggio, 1] Polidoro da (P. Caldara), ●, pupil of Raphael, * 1495 Caravaggio, † 1543 Messina. 2] Angelo (M. A. Amerighi), naturalist ●, * 1569 Caravaggio, † 1609 Porto Ercole. Noted for shadow effects.

Caravan, body of travellers or merchants proceeding together across Eastern or Afr. deserts.

Caravanserai, in E., place for receiving or loading caravans; sq. bldg. surroundg. court-yard; genlly. no provisions, but simply shelter.

Caravel, or Carvel, light ship, with square poop; galley-rigged.

Caraway, ✿, umbelliferous plt., *carum carui,* with aromatic seeds; used in confectionery & ⚗.

Carayon, Auguste, Fr. Jesuit ⚒ ⁄, * 1813.

Carbajal, Luis de, Span. ⊕, * 1534 Toledo, † 1591.

Carberry Hill, nr. Musselburgh. ⚔ 14/6 1567; surrender of Mary Q. of Scots to Kirkcaldy of Grange.

Carbine, short fire-arm used by cavalry & blue-jackets. Brit. Martini-Henry C. weighs 7 lb. 8 oz., length 3 ft. 1 in., calibre ·45 in. bullet 480 grs.; sighted to 1,000 yds.

Carbolic Acid, or Phenol, ⚗, C_6H_5OH; coal-tar creasote; a secondary monatomic aromatic alcohol obtained by dry distillation of salicylic acid, or of coal; antiseptic, disinfectant, poisonous.

Carbon, ⚗, tetrad non-metal. element; symbol C. Occurs in allotropic form as diamond, graphite, charcoal.

Carbon Light, electr., light produced by electr. current betw. 2 carbon points.

Carbon Printing, photog., process introd. by Poitevin 1855; improved by Swann 61; modified by Wenderoth as argentotype.

Carbonado, 1} piece of meat grilled. 2} A var. of diamond.

Carbonari, Ital. = charcoal-burners; combination of revolut. socs. wh. formerly had much influence in Ital. & Fr.

Carbonic Acid, ⚗, carbon dioxide, CO_2; colourless gas, heavier than air, given off in fermentation; cannot be respired; forms grt. pt. of afterdamp or chokedamp in mines; extings. flame: at pressure of 38·5 atmospheres at 0° it liquefies, & on expos. to air solidifies; air exhaled from lungs contains *ca.* 4·35 per cent. of it.

Carboniferous System, ⚒, group of strata, incl. grter. pt. of coal yet discovd.; succeeds Old Red Sandstone, & is succeed. by Permian Syst. Divd. into 3 sub-series: Carboniferous or mountain limestone, millstone grit, coal measures.

Carbuncle, ⊕, var. of garnet of deep red, cut in convex cabochon; E. Indies. C. of Bible is perhaps emerald.

Carbuncle, ✚, flat, hard, painful tumour, of purple-red colour, giving burning sensation; often large, causing deep sloughing.

Carcajou, zool., the Amer. badger, *meles labradorica*, the wolverine.

Carcano, Giul., poet. & rom. ✓, * 7/8 1812 Milan; secretary of Acad. 59.

Carcass, ⚔, shell filled with inflammable composition for firing bldgs., &c. The composition consists of sulphur, saltpetre, resin, sulphide of antimony, tallow, & Venice turpentine.

Carcassonne, ⊙ Aude, S. Fr., on Aude; indept. till midd. of 13th cent.; cathed. 11th cent.; 18,000 inh.

Carcharias, ichth., gen. of sharks. *C. vulgaris* is white shark. *C. glaucus* is blue shark.

Carcinodes, canker in trees.

Carcinoma, ✚, cancer.

Cardamom, aromatic tonic seed of var. of zingiberaceous plts., as *elettaria cardamomum*; used in ✚ & cookery.

Cardan, or Cardanus, Jerome, astrol., math., & ✚, * 24/9 1501 Pavia, † 21/9 76 Rome; researches in measles, discovs. in algebra. ✓.

Carden, Robt. Walter, * 1801; alderm. of London 49, kntd. 51, Ld. Mayor 57, fnder. of City Bank, M.P. 57–59, 80–85, bart. 87, † 19/1 88.

Carder Bee, entom., a social bee, *bombus muscorum*; wild in Brit.; yellow; cards moss for its nest.

Cardialgia, ✚, heartburn, a form of indigestion.

Cardiff, ⚓ ⊙ Glamorgansh., S. Wales; grt. trade in ⊕; docks; 87,000 inh. Rets. 1 M.P.

Cardigan, Jam. Thos. Brudenell, earl of, Brit. cavalry offr., * 16/10 1797; entered army 1824, lieut.-col. 32, lef. charge of Light Brig. at ⚔ Balaklava 25/10 54, † 27/3 68.

Cardigan, chf. ⊙ Cardigansh., S. Wales, on Teify, 3 m. from Cardigan Bay; 3,800 inh.

Cardiganshire, co. of S. Wales; ⚲; lakes, hilly; 693 s.m., 70,300 inh. Rets. 1 M.P.

Cardinal, eccles. prince in R. Cath. Ch., memb. of conclave wh. elects the Pope; 3 ords.: 6 Card. Bps., 50 Card. Priests, 14 Card. Deacons. These 70 form the Sacred College; dress, red cassock & hat, &c.

Cardinal Bird, cardinal grosbeak, orn., *cardinalis virginianus* w. crested head & scarlet plumage.

Cardinal Points of the compass, North, South, East, & West.

Cardinal Virtues, justice, prudence, temperance, fortitude.

Cardoon, or Chardoon, ✱, salad plt., *cynara cardunculus*, resemblg. artichoke.

Cards, very anct. system of games of E. orig., introd. to Eur. *ca.* end of 14th cent. Manfrers. of playing cards pay £1 per ann. for licence in Grt. Brit., & a duty of 3d. is charged on each pack. In Sp., spades = *espados*; clubs = *bastos*; diamonds = *dineros*; hearts = *copas*. In Fr., spades = *piques*; clubs = *trèfles*; diamonds = *carreaux*; hearts = *cœurs*. In Fr., the kings are David (spades), Alexander (clubs), Cæsar (diamonds), Charles (hearts); the queens, Juno (hearts), Judith (clubs), Rachel (diamonds), Pallas (spades).

Carducci, Gios. (Enotrio Romano), poet. ⚲, * 27/7 1835 Vildicastello; prof. at Bologna 60. "Inno a Satana."

Carduel, r. Carlisle.

Carduelis, ornith., gen. of *fringillidæ*. *C. elegans* is goldfinch. *C. canaria* is canary-bird. *C. spinus* is siskin.

Carduus, ✱, *C. lanceolatus*, spear-thistle; is emblem of Scotl., & badge of Stuart.

Cardwell, Edward Cardwell, Viscl., Brit. statesm., * 24/7 1813; Sec. to Treas. 44–45, Presdt. Bd. of Trade 53–55, Sec. for Ireland 59–61, Chanc. of D. of Lanc. 61–64, Col. Sec. 64–66, Sec. for War 68–74; peer 74, † 15/2 86.

Carénage Bay, St. Lucia. ⚓ ⚔ 1778; Brit. vict.

Carew, 1] Eng. poet. ⚲, * 1589, † 1639. 2] Sir Benj. Hallowell, Brit. adml., * 1760 Canada, † 1834. 3] Sir Geo., ⚔ offr., * 1557; Lord Presdt. of Munster 99, † 1629. 4] Sir Peter, Brit. ⚔ adventr., * 1514, kntd. 45, † 1575 Cork.

Carey, 1] Willm., Bapt. missnry. & Orient. schol., * 1761, † 1834; "Father of Christian Missions." 2] Henry, poet. & ♪ ⚲, * 1696 London, † 4/10 1743; writer & composer of "Sally in our Alley," "God Save the King" (?). 3] Henry C., econom. ⚲, * 15/12 1793, † 12/10 1879. "Princpls. of Social Science." 4] Matth., Irish journ. & polit., * 1760 Dublin; fnded. *Freeman's Journal*; imprisoned, fled to Amer. 84. † 1839 Philadelphia. ⚲ "Vindiciæ Hibernicæ." 5] Alice, Amer. poet. & nov. ⚲, * 1822, † 12/2 1871. "Clovernook." 6] H. Lucius, r. Falkland.

Cargoose, ornith., *podiceps cristatus*, crested grebe.

Caribbean Sea, pt. of Atlant. O., betw. Cent. & S. Amer. & the W. Ind. Isles.

Cariboo, zool., Amer. woodland reindeer, *cervus silvestris*; used by Laplanders for draught.

Caribs, or Caribbees, aborig. tribe of S. Amer. & W. Ind. Isles; remnts. still exist in Trinidad, St. Vincent, & on Orinoco.

Caries, pathol., wasting disease of the bones; dissolution of the mineral matter of the bones.

Carillon, set of bells adapted & arranged for playing tunes, *e.g.* at Antwerp, Bruges, Namur, Mechlin.

Carina, ✱, the 2 partly united lower petals of papilionaceous flowers; anything keel-shaped.

Carinaria, zool., gen. of heteropodous molluscs; 8 recent & 1 fossil specs.

Carinatæ, ornith., Huxley's order; having keeled sternum.

Carinthia, Karnten, prov. of Austr.-Hung. Emp., pt. of old k.

of Illyria; ▲ous; ⊕s; 4,006 s.m.; 350,000 inh. Chf. ⊙, Klagenfurt. ⊙s: Feldkirchen, Spittal, Rosegg, Vellach, Villach. ⚲s: Drave, Gurk. ▲: C. Alps. ♛: Free Germ. duchy; Austrian 1335.

Carinus, Marc. Aurel., Rom. emp. with Numerianus, † 285.

Cariole, light, open one-horsed carriage, with one seat.

Carisbrooke, villg. in Isle of Wight; castle, 6th cent., in which Chas. I. was imprisoned.

Carissimi, Giov., ♪, * 1604 Marino, † 74 Rome.

Carl, *v.* Charles.

Carlén, *née* Schmidt, Emilia Flygare, Swed. nov. ✓, * 1810 Stockholm.

Carleton, 1] Willm., Irish nov. ✓, * 1798 Prillisk, † 30/1 1869 Dublin. "Traits & Stories of the Irish Peasantry" 30–32, "Fardarougha" 39. **2]** Sir Dudley, Eng. statesm., * 1573; created Ld. Dorchester, Sec. of State, † 1632. **3]** Geo., †, bp. Llandaff, Chichester, * 1559, † 1628. **4]** Sir Guy, Brit. genl., * 1724 Strabane,; govr. of Quebec 72, deftd. Arnold 76, commr.-in-chf. in Amer. 81, created Lord Dorchester 86, † 1808. **5]** Hy. Boyle, 1st Baron, Ld. Chanc. of Eng. 1701, Sec. of State 07, Presdt. of Counc., † 25.

Carli, Gian Rinaldo, ✎, numis., & misc. ✓, & ⚓ ▲, * 1720 Capo d'Istria, † 95.

Carlile, Richd., polit. & journ. ✓, * 1790 Ashburton; publd. 1817 Southey's "Wat Tyler," Hone's "Parodies"; fined & imprisond. 19 for publg. Paine's works; imprisoned 30, † 43.

Carline Thistle, ✱, *carlina vulgaris,* rarely wild in Brit.

Carlingford, Chichester S. P. Fortescue, 1st Baron, Brit. statesm., * 1823; M.P. 47, Junr. Lord of Treas. 54–55, Und. Sec. for Cols. 57–58, 59–65, Sec. for Ireland 65–66, 68–70, Presdt. of B. of Trade 70–74, creatd. peer 74, Ld. P. Seal 81–85, Ld. Presdt. of Council 83–85.

Carlino, Ital. silver coin = 4d.

Carlisle, anct. Carduel, chf. ⊙ Cumberland, Engl.; cathed. 11th cent.; castle, prison of Q. Mary of Scot. 1568; 36,500 inh Rets. 1 M.P. Bomb. & taken 1745

Carlisle, 1] Anne, Eng. port. ●, † 1680. **2]** Sir Anth., surg. & physiol., * 1768 nr. Durham; twice P.R.C.S., † 1840 London. ✓. **3]** Fred. Howard, 5th earl of, * 1748; viceroy of Ireland 80, † 1825. **4]** Geo. W. F. Howard, 7th earl of, * 1802 London; Sec. for Ireland 35–41, viceroy 55, † 1864. ✓.

Carloman, 1] s. of Charles Martel, whom he succeed. 741, † 755. **2]** S. of Pepin le Bref, & younger brother of Charlemagne, * 751, † 771. **3]** S. of Louis le Bègue, succeeded Louis III. as k. of Fr., † 884.

Carlos, 1] Don Maria Isidor, 2nd s. of Chas. IV. of Sp., * 29/3 1788. His broth. Ferd. VII. † 1833, leaving 1 dau., who ascend. throne as Isabella II. Don Carlos claimed crown by Salic Law & began Carlist War; retired to Fr. 39, relinqd. his rights to his s. C. 45 († 61) † 10/3 55 Trieste. **2]** His grt.-neph., Span. pretender, * 30/3 1848; fought in Spain 72–76.

Carlovingians, Frankish dynasty sprung from bp. Arnulf of Metz, † 641, whose grand-s. Pepin d'Heristal became mayor of the palace to Dagobert II. 674. His grd.-s. Pepin le Bref was proclaimd. king 752. Dynasty extinguishd. in Ital. 875, in Germ. 911, in Fr. 987. Named from Charles Martel, father of Pepin.

Carlow, inland co. of Ireland; ✓; 346 s.m., 46,500 inh. Rets. 1 M.P. Its chf. ⊙, C., on Burren & Barrow, 7,050 inh. ✕ 25/5 1798.

Carlsbad, or Kaiserkarlsbad, ⊙ Bohem., on Tepel; hot springs discovered 1370; 16,000 inh.

Carlskrona, ⚓ ⊙, cap. of prov. of C., Swed, on isle of Trötsö, in Baltic; blt. 1680; naval station; good harb.; 17,000 inh.

Carlson, Fred. Ferd., ♛ ✓, *

13/6 1811 Upland; Swed. Min. of Educatn. 63–78.

Carlsruhe, cap. ⊙ Baden, palace blt. 1751, libr., 50,000 inh.

Carlstadt, And. Rud. (A. Bodenstein), Germ. reformer, * 1480 Carlstadt, † 1541. /.

Carludovica, ✿, gen. of S. Amer. plts. Panama hats made from *C. palmata.*

Carlyle, 1] Thomas, ✍ & ∴ /, * 4/12 1795 Ecclefechan, Scot., † 5/2 1881 Chelsea. "Life of Schiller," trans. of "Wilhelm Meister," "Sartor Resartus" 33–34, "French Revolution," "Past & Present" 43, "O. Cromwell's Letters & Speeches" 45, "Latter-Day Pamphlets" 50, "Life of Sterling" 51, "History of Frederick the Grt." 58–64; Lord Rector of Edinb. Univ. 66. Life by J. A. Froude. **2]** Joseph Dacre, Arab. schol., * 1759 Carlisle; prof. at Camb. 94; with Ld. Elgin to Turkey 99, † 1804. /.

Carmagnola, Francesco Bussone di, Milanese ⚔, * 1390 Piedmont; deserted to Venice 1426, took Brescia; executed for treason 5/5 32 Venice.

Carmagnole, Fr. revolut. song & dance. Its name is "Madame Veto."

Carmarthen, co. of S. Wales, on C. Bay; ▲ous; scene of Rebecca riots 1843–44; 947 s.m., 125,000 inh. Rets. 2 M.P.s, E. & W. Its chf. ⊙, C., on Towy; port, ruined castle; slates, lead, tin; 10,600 inh. C., with Llanelly, rets. 1 M.P.

Carmel, Mount, low ⛰, cape of Acre, Palestine; monastery.

Carmelites, ord. of mendicant friars wearing brown habits; fnded. by Berthold, a Calabrian, on ▲ Carmel, 12th cent.

Carmen, piece of occasional verse.

Carmen Sylva, *nom de plume* of Q. Elizabeth of Roumania, * 1843.

Carmer, J. Heinr. Kasp., Ct., Pruss statesm., * 29/12 1721 Kreuznach; minist. 68, † 28/5 1809 Rutzen.

Carmichael, 1] James, ⚙, * 1776 Glasgow, † 1853; invtr. of fan blowing machine. **2]** Richd., surg., * 1779, † 1849 Dublin. /.

Carminative, ✚, agent for correction of flatulence.

Carmine, crimson pigment prepared from insect *coccus cocti.*

Carmiri, zool., S. Amer. squirrel monkey, *callithrix sciureus,* or *titi.*

Carmontelle, L., Fr. ◐ /, * 1717 Paris, † 1806.

Carnac, villg., Morbihan, Fr., rude anct. stone monuments.

Carnahuba, ✿, a palm, *corypha cerifera;* yields wax for candles.

Carnak, ruins on Nile, Upper Egypt.

Carnallite, ◆, milk-white min., phosphorescent, massive & granular; Pers & Pruss.

Carnarvon, co. of N. Wales; ▲ous; slate; Snowdon ▲; 579 s.m., 120,000 inh., rets. 2 M.P.s, N. or Arvon, S. or Eifion. Its chf. ⊙, C., port at mth. of Seiont, on C. Bay; ruined castle, 13th cent.; bathing; slate, copper; 10,300 inh. With Criccieth, Nevin, Pwllheli, Bangor, & Conway, C. returns 1 M.P.

Carnarvon, Hy. Howard M. Herbert, 4th earl of, Brit. statesm., * 24/6 1831, educated Eton, Christ Ch., 1st class in class. 52; suced. his father 49, Und. Sec. for Cols. 58–59, / "Druses of Mt. Lebanon" 60, Sec. for Cols. 66–67, 74–78, Ld.-Lieut. of Ireland 85–86; Grd.-Mast. of Eng. Freemasons 75.

Carnatic, anct. distr. of S. Ind., now incl. in prov. of Madras.

Carnation, ✿, name for garden vars. of pink, *dianthus caryophyllus.* C.-grass, **1]** *carex glauca;* **2]** *aira cespitosa.*

Carneades, Grk. ∴ & sophist, fnder. of New Athen. Acad., * ca. 213 B.C. Cyrene, † 129 Athens.

Carnegie, Sir Robt., Scot. Ld. of Session & diplom., † 5/7 1566.

Carnelian, ◆, reddish var. of chalcedony; sometimes white, yellow, or brown; Ind.

Carney, furred mouth; disease of horse.

Carniola, Krain, prov. of Austr.-Hung. Emp., pt. of anct. k. of Illyria; ▲ous, ⊕s, caverns; 3,857 s.m., 482,000 inh. Cap. ⊙, Laibach.

Carnival, feast of 3–8 days before Lent in R. Cath. countries, esp. in Rome, Naples, Milan, Nice.

Carnivora, zool., the flesh-eating mammals; more esp. the feline, canine, & ursine fams.; divd. into (*a*) *fissipedia*, or split-feet, *pinnipedia*, or fin-feet; or (*b*) pinnigrades, plantigrades, & digitigrades.

Carnot, 1] Lazare Nicolas M., Fr. revolut., * 13/5 1753 Nolay, † 2/8 1823 Magdeburg; Min. of War 95–97, 1800, govr. of Antwerp 1812, Min. of Int. 15. ✓. 2] Lazare Hippol., his s., * 1801 St. Omer; Fr. Min. of Educatn. 48, senator 76, † 16/8 88. ✓. 3] His s. Franç. Sadi, * 1837 Limoges; Min. of Works 80, Pres. Rep. 3/12 87

Carnota, J. Smith Athelstane, Conde da, * 9/5 1813 London; private sec. to Port. Premier 35. ✓ "Marquis de Pombal" 43, created grandee of Port. 70.

Carob, ✱, a tree, *ceratonia siliqua*, of Levant; the fruit is the locust-bean or St. John's-bread.

Carolan, Turlough O', Irish blind harpist & ♫ composer, * 1670 Westmeath, † 1738.

Carolina, *v.* North C. & South C.

Carolina Pink, ✱, *spigelia marylandica*; root anthelmintic.

Caroline, 1] Amelia Augusta, Q. of Eng., 2nd dau. of dk. of Brunswick-Wolfenbüttel, * 17/5 1768; m. 1795 to Geo., P. of Wales, afterwards Geo. IV.; mother of Poss. Charlotte; proceedings for dissolut. of marriage 1820, bill withdrawn, † 7/8 21. 2] Mathilda, Q. of Denm., Eng. poss., * 22/7 1751, m. 66 Christian VII., divorced for connectn. w. Streuensee 72, † 10/5 75 Celle. 3] Marie, Q. of 2 Sicilies, dau. of Emp. Francis I., * 13/8 1752; m. 68 Ferd. I., despotic, † 8/9 1814 Hetzendorf. 4] Wilhelmina Dorothea, Q. of Eng., * 1682, m. Geo., P. of Hanover, 1705, † 37.

Caroline Islands, archipel. in N. Pacif., E. of Philippines, 500 in number, discovd. 1543 by Lopez de Villalobos; anctly. settled by Sp., claimed by Germ. 13/8 1885, Germ. flag hoisted 24/8 in presence of Sp. gunboat; question referred to Pope, who recognised Sp. sovereignty 17/12 85, but secured spec. privileges to Germ. Chf. isles: Yap, Ponapé, Kusaie. Prehist. remains; 120,000 inh.

Carolus. Span. coin = *ca.* 4s. 2d. Eng. gold coin of 17th cent. = (*a*) 20s.; (*b*) 23s.

Carotid Artery, anat., name of two arteries, one of which runs up on each side of the neck, conveying blood from aorta to head.

Carp, ichth., fresh-water fish, *cyprinus cyprio*. C.-bream, Brit. fish, *abramis brama*.

Carpathian Mountains, ▲▲ in Hung., Galicia, Transylvania, 100 × 200 m. broad. Chf. ▲s, Lomnitz 8,540 ft., Butschetje 9,528 ft., Gerlsdorf 8,550 ft., Krywan 8,150 ft., Dumbier 6,500 ft. ⊕s.

Carpel, ✱, the leaf forming the pistil; several carpels may form one pistil.

Carpentaria, Gulf of, large inlet of N. Austral., betw. Cape York & Cape Arnheim; discovd. by Jan Carstensz 1623, 850 × 350 m., recvs. Flinders, Mitchell, Albert, Roper ⚓s. Isles: Grt. Island, Wellesley Isles.

Carpenter, 1] Willm. Benj., physiol., * 1813 Bristol, † 10/11 85. ✓ "Principles of Physiology," &c. 2] Lant, his father, Unit. †, * 1780, † 1840. ✓. 3] His dau., Mary, philanth., * 1807 Bristol; fnded. Nat. Indian Assoc. 71, † 15/6 77. 4] Willm. Boyd, †, * 1841; sen. opt. 64, chapl. to Q. ♛, Canon of Windsor 82, bp. of Ripon 85. ✓.

Carpenter-bee, entom., name of several specs. of *hymenoptera*, of ord. *xylocopa*, bldg. nests with bits of decayed wood.

Carpini, J. de Plano, Francisc. monk & travlr., 13th cent.; to Cent. Asia 1246. ✓ "Liber Tartorum," printed 1839.

Carpinus, ♃, hornbeam, a gen. of *corylaceæ*. *C. betulus* is common hornbeam; wood tough, burns like a candle.

Carpocrates, finder of a Gnostic heresy in 2nd cent. His sect accused of immorality.

Carpolite, any silicified or fossil fruit.

Carpus, anat., the human wrist, formed of 8 small bones, in 2 ranks, tied together.

Carpzov, Bened., ✍, • 27/5 1595 Wittenberg, † 30/6 1666 Leipzig. ✓ "Practica Rer. Crimin.," &c.

Carr, Sir John, Eng. ✓ & travlr., • 1772, † 1832.

Carracci, or Caracci (*q.v.*).

Carrara, Ital. ⊙ on Avenza, nr. Mediterr.; statuary marble; 25,000 inh. ♔.

Carrel, N. Armand, Fr. journ. ✓, • 8/5 1800 Rouen; associtd w Thiers & Mignet, † in duel with Girardin 24/7 36.

Carrer, Luigi, poet. & misc. ✓, • 1801 Venice, † there 23/12 1850; "L'anello di sette gemme."

Carrickfergus, ⚓ ⊙ Antrim, Ireland, on Belfast Lough; castle, 12th cent., landing of Willm. III. 14/6 1690; 10,000 inh.

Carrier, J. B., Fr. revolut., • 1756 Yolai, Auvergne; memb. Nat. Conventn., cruelties at Nantes 93, caused death of 15,000 persons, guillotined 16/12 94.

Carrier Indians, tribe on Hudson Bay.

Carrier Pigeon, a spec. of homing-pigeon used for conveying letters.

Carriere, Moriz, ✍ & æsthet ✓, • 5/3 1817 Griedel; prof. at Munich 53.

Carrington, 1] Noel Thos., Eng. poet. ✓, • 1777, † 1830. 2] Chas. Robt. Carrington, 3rd Baron, • 1843; M.P. 65–68, govr. of New South Wales 85.

Carrion Crow, ornith., *corvus corone*. C.-hawk, *milvago leucurus*.

Carroll, Lewis, *nom de plume* of C. Lutwidge Dodgson.

Carron, villg. Stirlingsh., Scot., iron-works 1767.

Carronade, short cannon of large calibre, without trunnions, with powder chamber; introd. in Brit. navy 1779, now obsol. Cast at Carron. Invtd. by Gascoigne.

Carrot, ♃, umbelliferous plt. *daucus carota*, with esculent root; nat. of Brit.

Carruthers, Robt., misc. & journ. ✓, • 5/11 1799 Dumfries; edited *Inverness Courier* 1828, proprietor 81, joined Robt. Chambers in editing "Cyclopædia of Eng. Lit.," "Life of Pope" 58, † 26/5 78.

Carstairs, Willm., Scot. covenanting †, • 11/2 1649 Cathcart; implicd. in Rye Ho. Plot, confid. of Willm. III.; princ. of Edinb. Univ. 1704, † 28/12 1715.

Carstens, Asmus Jac., ♛ ●, • 10/5 1754 St Jurgen, † 26/5 98 Rome.

Cartagena, 1] anct. ⊙, Carthago Nova, ⊕ ⚓ ⊙ Murcia, Sp., on Mediterr.; 50,000 inh. 2] C. de las Indias, ⚓ ⊙ Columbia, on Carib. Sea; 9,000 inh.; unsuccessfly. attackd. by Vernon 1747.

Cartago, ⊙ Costa Rica; 10,000 inh.

Carte, Thos., ✍ ✓, • 1686 Clifton, Warwick, † 1754 nr. Abingdon; involved in Jacob. plots 1715, 22, 44. MSS. in Bodl. Library.

Carte blanche, Fr. = blank card, liberty of discretion.

Carte-de-visite, Fr. = visiting card; photograph of about the size of a visiting card.

Carter, 1] Elizabeth, misc. ✓, • 16/12 1717 Deal, † 1806. 2] Nath. Hazeltine, Amer. ✓, • 1787 Concord, † 1829 Marseilles. "Pains of the Imagination."

Carteret, Philip, Brit. ⚓ offr. & explor; to S. Seas 1766–20/2 1769.

Cartesian Devil, philosophic toy to illustr. effects of compressn. & expansn. of air in changing spec.

grav. Composd. of glass figure in tall vessel nearly filled with water & covered with indiarubber. The fig. is ptly. filled with water & has a small aperture. Pressure on indiarubber causes figure to sink.

Cartesianism, ♃ syst. of Descartes: "Cogito, ergo sum;" "I conceive Him, therefore there is a God," &c.

Cartesius, Descartes (*q.v.*).

Carthage, Carthago, Karchedon, anct. ⊙ of N. Afr., in what is now Tunis; fnded. by Phœnicians from Tyre *ca.* 853 B.C., possibly by Dido; became seat of powerful state, but was destd. 146 B.C. by Scipio Africanus; contd. 700,000 inh. Rebuilt by colony pltd. by Cæsar; taken by Vandals 439, retaken by Belisarius 533, destroyed by Saracens 698.

Carthamus, ♂, gen. of asteroids, incl. *C. tinctorius,* bastard saffron or safflower. wh. contns. red colouring matter, that, mixed with powdered talc, is rouge.

Carthusians, ord. of R. Cath. monks, fnded. *ca.* 1084 by St. Bruno at Chartreuse, nr. Grenoble; once numerous in Eng., esp. at Charterhouse, London. Habit, white, with black cloak.

Cartier, Jacques, Fr. navig., ∘ 1494 St. Malo; disco. estuary of St. Lawrence ♃, 1534, fnded. settlement in Canada 1540, † *ca.* 50.

Cartilage, anat., gristle; tough white flexible substance of body, smooth & elastic, destitute of blood-vessels & nerves. Bones first appear as temporary C. Permanent C. exists in ear, nose, eyelids, larynx, wind-pipe, lower end of breast-bone, & betw. ribs & breast-bone. Articular C. forms layers at ends of bones where there are joints.

Cartilaginous Fishes, have intern. skeleton of cartilage, with little or no calcareous matter.

Cartismandua, Brit. Q. of the Brigantes; betrayed Caractacus to Roms. 51; afterwards expelled.

Carton-pierre, spec. of papier-maché, to imitate stone or bronze; composed of paper pulp, whiting & glue.

Cartoon, in ●, design on strong paper to be reproduced on canvas or wall. The 7 C.s of Raphael are at S. Kensington; 18 others have been destroyed. The 7 bought by Rubens in Brussels for Chas. I.

Cartouche, Egyptol., an elliptical oval inscribed w. hieroglyphs.

Cartouche, Louis Dom., robber, ∘ 1693 Paris, broken on wheel 1721.

Cartridge, a case, origily. of paper, contng. exact charge for a gun or pistol. C.-paper is paper such as was once used for makg. C.s.

Cartwright, 1] Edm., Eng. clergyman, /, & inventr., ∘ 24/4 1743 Marnham, † 30/10 1823 Sevenoaks; invntd. power-loom 1785, granted £10,000 by Parlt. 1809. 2] His brother John, ∘ 28/9 1740, † 23/9 1824 London; advoctd. Parlty. Reform; statue 1831 Burton Crescent, London. 3] Thos., Eng. †, ∘ 1535; Margaret prof. of divin. at Camb., expelled, opposed Whitgift, † 1603. 4] Willm., Eng. poet. /, ∘ 1611 Northway, † 1643.

Carucate, anct. Eng. superf. meas. = orig. as much as one team could plough in a season; afterwards 100 acres.

Carus, M. Aurel., Rom. emp., 282–83.

Carus, Willm., †, ∘ 1804; canon of Winchester 51, † 85.

Carvalho-Miolan, Marie Caroline, ♪ singer, ∘ 31/12 1827 Marseilles; joined stage 49, m. M. L. Carvalho 53, separated 62.

Carvel-built, ⚓, of vessels blt. w. planks not overlapping.

Carver, John, one of Pilgrim Fathers; 1st govr. of Plymouth, Mass., † 1621.

Cary, 1] Henry Fran., clergyman, editor, /, & schol., ∘ 6/12 1772 Gibraltar, † 14/8 1844 London; assist. libr. of Brit. Mus.; translitd. Dante. 2] Lott, negro Baptist preacher, ∘ *ca.* 1780 Virginia; purchased freedom, led negro colony to Cape Mesurado, Afr., 1821, † 28.

Caryatides, △, fem. figures employed as piers or supports. Sim. male figs. are Atlantes (*q.v.*).

Caryl, Joseph, Eng. nonconf. †, * 1602, † 73. / "Commentary on Job."

Caryll, John, Eng. ☾ /, * 1687, † 1718.

Caryophyllaceæ, ✿, nat. ord. of thalamifloral dicotyledons, containing 3 sub-ords.: *silenæ*, or pinks; *alsineæ*, or chickweeds; *mollugineæ*, or carpet-weeds. *Ca.* 60 gens. & 1,100 specs.

Caryophyllia, zool., gen. of madrepore polypi, in wh. coral is branched. *C. cæspitosa* is common Mediterr. coral.

Caryophyllus, ✿, gen. of *myrtaceæ*, incl. *C. aromaticus*, yielding cloves (*q.v.*).

Caryota, ✿, gen. of palms in Ind. & Ind. isles. *C. urens* yields toddy or palm wine.

Carysfort, now Moycreedin, villg. Wicklow, Ireland.

Ca. sa., ⅋, abbrevtn. of *capias ad satisfaciendum*, writ empowering a plaintiff to put in execution a judgment by apprehending the defendant.

Casamicciola, bathing ⊙, isle of Ischia; 4,000 inh.; earthquake 28/7 1883.

Casanova de Seingalt, Giov. Jac., adventr., * 2/4 1725 Venice, † 4/6 98 Dux. / Cynic. "Memoirs."

Casarca, ornith., Russ. nuddy-goose, *tadorna C.*

Casas, Bartholomé de las, philanth. & ✠ /, * 1474 Seville; accompd. Columbus to W. Inds., protected natives; bp. of Chiapa, Mex., † 1566.

Casaubon, 1] Isaac, philol., * 18/2 1559 Geneva, † 1/7 1614 London, editor of classics. 2] Meric, his s., * 14/8 1599 Geneva; M.A. of Oxon 1621, ordained, vicar of Bledon, † 14/7 71. /.

Cascalho, ⚒, deposit of gravel, &c., in which Braz. diamonds are fd.

Cascarilla, the bark of *croton eleutheria*, a euphorbiaceous tree of Bahamas, yielding aromatic bitter tonic; used as expectorant.

Case, Thos., Purit. clergyman, * 1598, † 1682; suspend. for nonconf.; one of Savoy commissioners.

Case-charr, ichth., *salmo salvelinus*, charr, alpine salmon.

Case-shot, canister full of bullets for discharge from artillery.

Case-worm, or Caddis (*q.v.*).

Casein, ⚗, albuminoid subst. fnd. in milk; soluble in alkali. A sim. subst., legumen, occurs in peas, &c.

Casemate, bomb-proof chambr. in thickness of wall of ⊕, for reception of artillery.

Cash, 1] anct. money of Madras: 3,360 cash = 1 star pagoda. 2] Chin. coin, perforated w. square hole = *ca.* $\frac{1}{10}$d. 3] Ready money generally.

Cashel, ⊙ Tipperary, Ireland; ruins of cathed. 12th cent., anct. resid. of kings of Munster.

Cashew Nut, ✿, edible seed of *anacardium occidentale*; contains acrid oil, destroyed by roasting.

Cashmere, *v.* Kashmir.

Cashmere, stuff made of Thibet goats'-wool.

Casimir, name of 5 kings of Poland. 1] I., 1041–58. 2] II., 1177–94. 3] III., the Grt., 1333–70; conqrd. Russ. 4] IV., 1444–92. 5] V., 1647–67, † 72.

Casimiroa, ✿, gen. of *aurantiaceæ*, with edible fruit, but poisonous seeds; Mexico.

Caskets, The, group of rocks N.W. of Alderney, in Eng. Channel; P.Wm., s. of Hy. I., drowned 1120.

Caslon, Willm., Eng. type-cutter, * 1692 Halesowen, † 1766 Bethnal Green.

Casper, J. L., ⚕, * 11/3 1796, † 24/2 1864. / on med. jurisprudence.

Caspian Sea, inland sea forming pt. of boundary betw. Europe & Asia; 730 m. long, 140,000 s.m., 80 ft. lower than lev. of Black Sea; salt, depth 3,000 feet; no tides; receives ⅄s Volga, Terek, Emba,

Kura, Ural, Atrek; artfully. connected with Baltic Sea; N. frozen in winter; seals, tortoises. *Islands:* Pelicans, Cheleken, Oghurchin. Navigation in hands of Russ.

Cassagnac, *v.* Granier de C.

Cassamunair, root from E. Inds., used in ℞ for hysteria & paralysis, &c.

Cassander, k. of Macedonia, s. of Antipater * *ca.* 354 B.C., † 297; m. Thessalonica, half-sist. of Alex. the Grt., deftd. Antigonus at ⚔ Ipsus 301, & annexd. Syria, Egypt, & Thrace.

Cassandra, Grk. myth., dau. of Priam, k. of Troy; had gift of prophecy; Apollo ordained that she should be discredited; captd. on fall of Troy by Agamemnon, executed at Mycenæ by Clytemnestra.

Cassareep, inspissated juice of cassava; antiseptic; forms basis of W. Ind. pepper-pod.

Cassation, Court of, superior court of appeal in Fr.

Cassava, ⚘, mandioc or manihot, *manihot utilissima;* trop. Amer.; its root, divested by pressure of poison. juice, ground and purified, is tapioca.

Cassel, Paulus, ☙ ✓, * 27/2 1821 Grossglogau.

Cassel, cap. ⊙, Hesse Nassau, Pruss., on Fulda; trade, mus., libr., pict. gall., acad.; 59,000 inh. Anct. cap. of Napoleonic kingdom of Westphalia.

Cassell, Jno., publr. & ✓; pioneer of cheap pop. and educat. ✓; * 23/1 1817, † 2/4/65. Issued "Popular Educator" 52.

Cassia, ⚘, gen. of leguminous plts.; 250 known specs.; Ind., Afr., trop. Amer.; sev. yield senna (*q. v.*).

Cassia Bark, bark of *cinnamomum cassiæ;* used to adulter. Ceylon cinnamon.

Cassini, 1] Giov. Domen., ✎, * 8/6 1625 nr. Nice, † 14/9 1712. ✓. 2] His s. Jacques, ✎, * 18/2 1677 Paris, † 16/4 1756 nr. Clermont. 3] His s. César Franç., ✎, * 17/6 1714, † 4/9 1784 Paris. 4] His s. Jean Dominique, ✎, * 30/6 1748 Paris, † 18/10 1845 Thury. Directors of Paris Observ. 1670–1793. 5] s. of 4, Alex. H. Gabr., ⚘, * 1784 Paris, † 1832. ✓.

Cassino, card game played by 4 pers. Grt. Cass. (10 diams.) counts 2; Little Cass. (2 spades) counts 1.

Cassioberry, ⚘, fruit of *viburnum lævigatum.*

Cassiodorus, Magn. Aurel., Rom. ☙ ✓ & statesm.; minist. of Theodoric the Grt., after the fall of Rome, * 468 Calabria, † 562.

Cassiopeia, 1] class. myth., mother of Andromeda. 2] ✎, constellation in N. celest. hemisph.

Cassis, zool., helmet-stone, an echinite; the helmet-shells.

Cassis, a liq. made from black currants.

Cassiterides, anct. ⊕, group of islands, supposed to be Scilly Isles; famous for tin & lead.

Cassiterite, ⊕, SnO_2; native stannic dioxide; tetrag. semi-transparent mineral.

Cassius, 1] Longinus Caius, Rom. genl., one of Cæsar's murds.; sided w. Pompey in civil wars, pardnd. by Cæsar, deftd. at Philippi, ordered his freedman to kill him 42 B.C.; 2] of Palma, anoth. murd. of Cæsar; executed by Octav. 31 B.C. ✓.

Cassivelaunus, Caswallon, or Cassibelan, chf. who commanded Brits. during Cæsar's 2nd inv. 54 B.C.

Cassock, long coat, reaching to heels, worn by clergy. Priests wear black, bishops purple, cardinals scarlet, popes white.

Cassowary, ornith., *casuarius galeatus,* Port. emu; 5 ft. high, 3-toed; Indian Archipelago.

Cassytha, ⚘, scrub vines; Ind., Australia.

Castalia, Fons Castalius, fountain on Parnassus, nr. Delphi, sacred to Apollo & Muses; now Fountain of St. John.

Castalion, Sebast., class. schol., * *ca.* 1515 Dauphiné; translated Bible into Lat. 51, & into Fr. 55 † 63 Basle.

Castanea, ✿, gen. of *corylaceæ*. *C. vulgaris* is Spanish chestnut.

Castanet, ♫ instr. composed of 2 concave pieces of ivory or wood, beaten together to time.

Castaños, Franc. Zavier de, dk. of Baylen, Sp. genl., * 1753, † 1832.

Castanospermum, ✿, Austral. gen. of trees; seeds edible.

Caste, relig. divisn. of classes in India. Orig. Hindu castes, Brahmins or priests; Cshetryas, or soldiers; Veisyas, or merchants; Sudras, or labourers. The 2 last are now subdivided.

Castelar y Rissoll, Emilio, Sp. statesm., orator, & ✓, * 8/9 1832 Cadiz; prof. of ∴ & ✓ Madrid, Radical journalist, fled to Fr. 66, memb. of Cortes 68, Presdt. of Span. Repub. 73-74.

Castelfidardo, Ital. villg. nr. Loreto; 6,500 inh. ⚔ 18/9 1860; Piedmontese vict.

Castell, Edm., Oriental., * 1606 Hatley, † 85. "Lexicon Heptaglotton."

Castellamare, 1] ⊕ ⚓ ⊙ on Gulf of Naples, Ital.; cathed., castle 12th cent., dockyards; site of anct. Stabiæ; 33,000 inh. 2] ⚓ ⊙ Sicily, on Gulf of C.; *ca.* 12,000 inh.

Castelli, Bened., math., & nat. ∴, * 1577 Brescia, † 1644 Rome; defend. hydrostat. doctrs. of Galileo. ✓.

Casti, Giov. B., rom. & com. poet. ✓, * 1721 nr. Rome; court poet at Vienna 82, † 1803 Paris. "Animali Parlanti," "Novelle Galante."

Castiglione, Baldassarre, Ital. diplom., * 1478 nr. Mantua; to Eng. 1506, to Madrid, † 29 Toledo. ✓.

Castile, Castilla, anct. kingdm. of Cent. Sp., to which also belonged Leon, Galicia, Asturias, Estremadura, Andalusia, Granada, & Murcia. By marr. in 1479 of Isabella of C. w. Ferd. of Aragon Sp. was united. C., which was divid. into Old & New, incl. mod. provs. of Logroño, Burgos, Santander, Valencia, Valladolid, Soria, Segovia, Avila, Madrid, Guadalajara, Cuença, Toledo, Ciudad-Real.

Castile Soap, pure soap from olive oil & soda.

Castilho, Ant. Fel. de, Port. ✓, * 26/1 1800, † 18/6 1875 Lisbon. "Camões," &c.

Castilla, Ramon, Peruv. genl. & statesm., * 1797, Presdt. 1845-51, 55-61.

Castille, Chas. Hippol., Fr. rom. & journ. ✓, * 8/11 1820 Montreuil-sur-Mer.

Castillejo, Cristobal, ✓, * 1494 Ciudad Rodrigo, † 12/6 1556 Vienna; romances, folksongs.

Castillon, Fr. ⊙ Gironde; 5,000 inh. ⚔ 1453; Eng. defeated.

Castizo, offspring of a white & a mestizo (*q. v.*).

Castlebar, assize ⊙ Mayo, Ireland, on Clydagh; occupied by rebels 1798; 7,000 inh. ⚔ C. Races 26/8 1798; Brit. defeated.

Castlereagh, Lord, v. Londonderry.

Castletown, or Bully Cashtel, cap. ⊙, Isle of Man, on C. Bay; castle (Rushin) 10th cent., House of Keys; *ca.* 3,400 inh.

Castor, zool., gen. of rodents, containing the beavers.

Castor-oil, pharm., *ricini oleum*, oil from beans of *ricinus communis*, castor-oil plt., an E. Ind. euphorbiaceous plt.; purgative; when expressed without heat it is called "cold-drawn," & is superior.

Castor and Pollux, 1] Grk. & Rom. myth., twin gods, sons of Jupiter, or of Leda & Tyndarus; called Dioscuri. 2] ♊, 2 chf. stars in constellation Gemini.

Castoreum, pharm., mucilag. subst. found in inguinal sacs of the beaver. In ✱, stimulant & antispasmodic.

Castriot, Geo., or Scander Beg (*q. v.*).

Castruccio, Interminelli (Castracani), ⚔, * *ca.* 1283 Lucca; served Eng. 1304, Fr.; chf. of repub. of Lucca 16-28, chf. of Ghibellines, † 3/9 28.

Casus belli, Lat. = cause of war; reason for declaration of war.

Cat, Cl. Nic. le, *v.* Le Cat.

Cat, zool., name of cert. specs. of gen. *felis.* Domestic cat, *felis domesticus;* wild cat, *felis catus.*

Cat-bird, ornith., *mimus carolinensis,* of thrush fam.; N. Amer.

Cat-fish, ichth., the sea-wolf, *anarrhicas lupus;* W. Indies.

Cathead, ⚓, piece of outstanding timber for tricing up anchor.

Cat's-eye, 1] ◈, vitreous var. of quartz, opalescent but non-prismatic; cut in cabochon for ornmt.; pecul. effect due to fibres of asbestos in subst. 2] ♣, Eng. name of sev. plts., *e.g. veronica chamædrys, myosotis silvatica.*

Cat's-tail Grass, or Timothy Grass, ♣, *phleum pratense.*

Catachresis, rhetor., abuse of a figure of speech.

Catacombs, subterran. places for burial of dead, as caves, grottos, *e.g.* at Rome, Palermo, Syracuse, Paris, Syria, Persia, Greece, S. Amer., &c.

Catadioptric Light, mode of illuminatn. by reflection & refraction, for light-houses; suggested by Allan Stevenson 1834.

Catalan, spec. of blast-furnace for iron-ore; N. Sp.

Catalani, Angelica, grt. ♀ singer, • 1779 Sinigaglia, appeared in pub. 1798–1827, † 12/6 1849 Paris.

Catalepsy, ✱, trance; paroxysmal disease involving sudden suspension of feeling, thought, power of motion; rare; fits vary much in duration; commonly caused by mental emotion; resembles death.

Catalonia, Cataluña, old prov. of N.E. Sp., incl. mod. provs. of Tarragona, Gerona, Barcelona, & Lerida. Chf. ⊙, Barcelona.

Catalpa, ♣, gen. of *bignoniaceæ,* N. Amer., W. Ind., Japan, China; durable wood, tonic bark.

Catalysis, ⚗, the bringing about by some substs. of decompostn. or alteration in others without themselves undergoing permnt. change.

Catamaran, ⚓, raft used on Coromandel coast of Ind., for landing goods in a surf, &c.

Catamenia, ✱, menses; in fem. adults monthly disch. of sanguin. fluid from womb; genlly. betw. ages of *ca.* 14–45.

Catania, ⚓ ⊙ Sicily, 3 times destroyd. by lava from Etna; cathed. 1091, rebuilt 1693, univ. 1445; trade, on site of anct. Catana; 105,000 inh.

Cataplasm, ✱, poultice.

Catapulta, anct. ⚔ engine for throwing stones, spears, &c.; by means of a spring.

Cataract, surg., opaque condition of crystalline lens of eye, causing blindness; common in age; relieved by operatn., wh. removes the lens, or depresses it.

Catarhine, zool., sect. of quadrumana having oblique nostrils & narrow septum; containing apes, & most monkeys.

Catarrh, or cold, ✱, running discharge from nose, eyes, or other outlets of the body; caused by inflammatn. of mucous membrane.

Catch, ♫, spec. of canon or round for 3 or 4 voices, contrived so that singers, by catching at one another's words, give them different meanings.

Catechism, form of *viva voce* instruction by question & answer; esp. on princips. of religion. Ch. of Eng. C. pubd. 1549, in prest. form 1612; Grk. C. 1542; R. Cath. C. 1566; Rakovian (Socinian) C. 1574; Shorter Westminster C. 1647; Larger Westminster C. 1648.

Catechu, gum of *acacia catechu.* In pharm., extract from *uncaria gambir;* astringent.

Catechumen, in early Christ. Ch., one under instruction.

Catel, Charles Simon, ♫, • 1773 Switzerland, † 1830 Paris. "Treatise on Harmony."

Catenary, geom., the curve of a flexible uniform string hanging from 2 points in same horiz. plane.

Caterpillar, entom., larva of a

lepidopterous insect; body of 13 segmts.; passes into pupa, chrysalis, or nymph; thence becomes active insect, w. antennæ & wings.

Catesby, Mark, nat. ♛ ✓, * 1680, † 1749; to Amer. 1712, &c.

Catgut, intestines of sheep dried & twisted, as for ♯ strings, &c.

Catharine Hall, Cambridge; fnded. by Robt. Woodlark 1475; chapel consecrated 1704.

Cathartic, ✗, purgative.

Cathay, from Tartar *Khitai*, name formerly given by Europeans to China.

Cathedral, chf. church of a diocese, containing an episc. chair or throne.

Cathelineau, Jacq., leader of Vendéans 1793, * 5/1 1759 Pin-en-Mauge, † 11/7 98 St. Florent.

Catherine, St., 1] Virgin of Alexandria, mart. on a wheel 307; hence C. Wheel. 2] C. of Siena, ✓, 14th cent., † 29/4 1380 Rome; canonised 1461.

Catherine, 1] of Aragon, * 1485, dau. of Ferd. & Isab. of Sp., m. (1) 1501 Arthur, P. of Wales († 1502), (2) Henry VIII. 1509, union pronounced invalid 33, † 36 Kimbolton. 2] C. of Braganza, * 1638, m. Chas. II. of Eng., † 1705. 3] C. de' Medici, * 30/4 1519 Florence, m. 33 Henry (afterw. Hy. II. of Fr.), regent, instigd. mass. of St. Bartholomew's Eve 72, † 5/1 89 Blois. 4] Howard, * ca. 1522, dau. of Ld. Edm. H., became 5th w. of Henry VIII. 28/7 40, executd. for adult. 12/2 43. 5] Parr, * 1513, dau. of Sir Thos. Parr, m. (1) Ld. Borough, (2) Ld. Latimer, became (3) 6th w. of Henry VIII. 43, m. (4) Sir Thos. Seymour, † 48. 6] C. I., empress of Russ., of low orig., * 15/4 1684 Livonia, mistr. of Genl. Bauer & of Pce. Menschikoff, m. secretly 1707, & pub. 12 to Peter the Grt.; succeed. him 24, † 17/5 27. 7] C. II., empress of Russ., * 2/5 1729 Stettin (Sophia Aug., dau. of C. A., prince of Anhalt-Zerbst), m. Grd. Dk. Peter, afterw. P. III. of Russ.; deposed him 62, reigned alone; loose, despotic, † 17/11 96. 8] C. of France, * 1401, dau. of Chas. VI. of Fr., m. Hy. V. of Eng. 20; mother of Hy. VI.; m. (2) 23 Owen Tudor; † 38.

Catheter, surg., long hollow tube for removing urine from the bladder, & for other purposes.

Catholic Apostolic Church, Christ. sect fnded. by Edw. Irving (*q.v.*); Irvingites.

Catholic Church, properly the universal Church, but commonly applied to the Roman C. Ch., wh. recogns. the Pope as its spiritual ruler; *v.* Roman Catholic Church.

Catholic Emancipation; until 1778, from reign of Willm. III., R. Caths. in Eng. could not hold land, & priests were subject to pen. of felony. In 1791 disabilities were further removed, again in 1803; practically abolished 10/4 1829.

Catholic Epistles, those E.s in N. Test. addressed to no individ. or partic. church: 2 Peter, 3 John, James, Jude.

Catholic Majesty, title of kings of Spain since 1491.

Catilina, Lucius Sergius, Rom. conspirator, * 108 B.C.; plotted to murd. Cicero the consul & to burn Rome. Impeached by Cicero; left Rome, raised rebellion, killed in ⚔ Pistoria, 62.

Catinat de la Fauconnerie, Nic. de, Fr. marsh., * 1/9 1637 Paris; served Louis XIV. with success, † 25/2 1712 St. Gretien.

Catkin, or Amentum, ♯, pendulous unisexual inflorescence of birch, willow, poplar, &c.

Catlin, Geo., travlr. & ✓, * 26/7 1796 Wilkesbarre, U.S.A.; studied Ind. life, † 23/12 1872 Jersey City.

Catmint, ♯, 1] Catnep, *nepeta cataria*. 2] Calamint, *calamintha officinalis*.

Cato, 1] Marcus Porcius (the elder), Rom. statesm. & orator, * Tusculum 234 B.C.; censor 184; strict, simple, prudent; hostile to Carthage, † 149. ✓ "De re rustica." 2] His grt.-grandson, M. P. (the

younger), Rom. statesm., * 95 B.C. Utica; tribune 63, friend of Cicero, opposed Cæsar, Pompey, & Crassus, joined Pompey 49, joined Scipio in Afr.; after ⚔ Thapsus, † by suic. 46 Utica.

Cato Street Conspiracy, scheme of Arth. Thistlewood & others to overthrow Brit. govt. 1820.

Catoptrics, branch of optics dealing w. reflected light, & images formed by reflecting surfaces.

Cats, Jacob, Dutch diplom., & poet. ✓, * 10/11 1577, † 1660; min. to Eng.; stat. at Ghent 1829.

Catskill Mountains, ⛰, pt. of Appalacians, State of New York, U.S.A.; highest pk. *ca.* 4,000 ft.

Cattaro, Austr. ⊙ Dalmatia, on Adriat.; harb.; 3,000 inh.

Cattegat, arm of sea betw. Jutland & Swed., connected by Skagerrack with Germ. O., 150 × 90 m.

Catteridge-tree, ❦, *cornus sanguinea*, dogwood, or hound's tree; wild in Eng.

Cattermole, Geo., Eng. ◉, R.A., * 1800 Dickleburgh; excelled in water-colour, † 24/7 68.

Catti, anct. Germ. tribe betw. Rhine & Weser, incl. Batavia, &c.; deftd. by Drusus, deftd. Varus, deftd. by Germanicus; nearly exterminated by the Hermunduri.

Cattle-plague, any epidemic disease of cattle; esp. visitations of 1745, 1756, 1865.

Catty, E. Ind. weight = 1⅓ lbs.

Catullus, Caius Valerius, Rom. poet. ✓, * 87 B.C. Verona, † 47 B.C.

Caucasia, old divisn. of Russ. Emp. on both sides of Caucasus ⛰, & incl. desert betw. Caspian & Aral; 303,000 s.m., 5,000,000 inh. Cap. ⊙ Tiflis. Tribes finally overcome 1859, when Schamyl was captured. Caucasian race of mankind believd. to have originated in C.

Caucasian, member of Indo-European fam. of human race.

Caucasus, ⛰ betw. Eur. & As., extending from Black Sea to Caspian, 750 × 120 m.; iron, coal, lead, sulphur, copper. Chf. ▲s, Elbruz 18,526 ft., Koschtan Tau 17,100 ft., Dych Tau 16,925 ft., Kasbek 16,526 ft., Pass of Dariel 8,000 ft. Glaciers begin 7,500 ft., snow line 9,500 ft.

Cauchy, Aug. L., math., * 21/8 1789 Paris, † there 23/5 1857. ✓.

Caucus, polit., meetg. of citizens to select candts. for representation or office, & to manage affairs of a party.

Caudine Forks, mountn. gorges nr. Caudium betw. Capua & Beneventum. ⚔, Roms. defeated by Samnites 321 B.C. Now Valley of Arpaia.

Cauer, 1] Emil, ✍, * 29/11 1800 Dresden, † 4/8 67 Kreuznach. His sons 2] Karl L., * 1828 Rome, ✍; 3] Robt., * 13/2 1831 Dresden, ✍.

Caul, membrane covering heads of new-born infants; the amnion.

Caulaincourt, Arm. Aug. L. de, dk. of Vicenza, statesm., * 9/12 1772 Caulaincourt; genl. of div. 1805, ambas. to Russ. 7-11, accompd. Napol. on Russ. camp.; For. Min. 13, peer 15, † 19/2 27 Paris.

Caulfield, James, printseller & ♛ ✓, * 1764, † 1826.

Cauliflower, ❦, garden var. of *brassica oleracea*, in which inflorescence is condensed into fleshy esculent head.

Caus, Sol. de, ⊙, * 1576 Normandy, † there 1630; invented a steam pump. ✓.

Caustic, ⚗, any ⚗ substance wh. corrodes skin & flesh of animals, *e.g.* strong alkalis, acids. *C.* potash, potassium hydrate; *C.* soda, sodium hydrate. In optics, double curve formed by intersectn. of rays reflected from curved surface.

Cauvery, ⚓ S. India, forms delta on wh. are Tanjore & Tranquebar; 470 m.

Cava, or Kawa, intox. drink from *macropiper methysticum*; S. Seas.

Cavaignac, E. Louis Eugène, Fr. genl. & statesm., * 15/10 1802 Paris; dictator 23/6 48, Presdt. of

Council, opposed Nap. III., † 57 nr. Tours.

Cavalcaselle Giov. Batt., art crit., † 22/1 1820 Legnano; assoctd. with J. A. Crowe.

Cavalier, John, leader of Camisards, * 1679; headed revolt agst. Louis XIV. 1702; entered royal service; served Holland, served Eng.; govr. of Jersey, † 1740 Chelsea.

Cavalier, horseman; adherent of Charles I. in Eng. civil wars.

Cavalier servente, Ital., married woman's lover.

Cavalieri, Buonaventura, Jesuit math. & astrol. ⁄, & pupil of Galileo, * 1598 Milan, † 3/12 1647.

Cavalli, Giov., ✕, * 28/7 1808, † 23/12 79 Turin; experimented 47 with rifled arms.

Cavalotti, Felice, poet. & ☾ ⁄, * 6/11 1842 Milan.

Cavalry, horse-soldiers, armed with sword, lance, small-arms. Divid. according to arms, &c., into light (*e.g.* Hussars), heavy (*e.g.* Dragoons). In Brit. army C. consists of 2 regts. of Life Guards, 7 regts. of Dragoon Guards, 3 regts. of Dragoons, 13 regts. of Hussars, 5 regts. of Lancers. A cav. regt. is divd. into 4 squadrons & 8 troops.

Cavan, co., Ulster, Ireld.; ⁄; 129,500 inh.: rets. 2 M.P.s, E. & W. Its chf. ⊙, C., *ca.* 3,000 inh.

Cavatina, ♪, lyric solo, with simple melody.

Cave, 1] Edw., London typog. & publr., founder of *Gentleman's Magazine* 1731, * 29/2 1691 Newton; friend of Johnson, † 10/1 1754. 2] Willm., †, * 30/12 1637 Pickwell, † 4/8 1713. ⁄.

Cave, in polit., the secession on a particular question of a number of members of a party; *v.* Adullam.

Cave Bear, palæont., a fossil bear, *ursus spelæus;* in post-pliocene cave deposits.

Cave-dwellers, cave-men; prehistoric inhabs. of limestone caverns in var. countries; contemp. of many now extinct animals.

Caveat, Lat. = let him beware; *fig.*, process to put a stop to proceedings.

Cavedone, Giac., Bolognese ⊙, * 1577 Sassuolo, † 1660.

Cavendish, 1] Lord Fredk. Chas., * 30/11 1836, 2nd s. of 7th dk. of Devonshire; M.P. 65, Chf. Sec. for Ireland 82, assassd. in Dublin 6/5 82. 2] C., or Candish, Thos., Eng. adventr. & navigator, * 1564 Suffolk; to W. Inds. 85 w. Sir R. Grenville, to Span. settlemts. on Pacific 86–88, circumnavigation of the globe, to Braz. 91, † at sea 93. 3] Henry, math. & ⚗, * 10/10 1731, † 24/2 1810; many ⚗ discovs., *e.g.* compositn. of water 1781, of nitric acid. 4] *v.* Devonshire.

Cavendish, tobacco pressed into cakes; named after Thos. Cavendish.

"Cavendish," *nom-de-plume* of Henry Jones, a ⁄ on whist.

Cavia, zool., gen. of rodent mammals, incl. *C. aguti*, long-nosed cavy, *C. aperea*, guinea-pig, &c.; Amer.

Caviare, salted roe, esp. of sturgeon & sterlet; prepared chfly. in Russ.; liking for it is acquired.

Cavour, Camillo Bensodi, Count, grt. Ital. statesm., * 1/8 1810 Turin; Sard. Min. of Comm. & ⁄ 49, of Fin. 51, Premier 52, one of cht. liberators of Ital., † 6/6 61.

Cavy, zool., *v.* Cavia.

Cawnpur, Cawnpore, distr. of Brit. Ind. *Ds:* Ganges & Jumna; fertile; 2,336 s.m., 1,200,000 inh. Its chf. ⊙, C., on Ganges; ✕ cantonment; massacre 205 Brit. women & children 15/6 1857 by Nana Sahib; monumt. by Marochetti; 129,000 inh.

Cawthar, Al, Mahom. myth., lake in Paradise.

Cawthorne, James, Eng. poet. ⁄, * 1719 Sheffield, † 61.

Cawton, 1] Thos., Eng. †, * 1605 Rainham, † 1659. 2] His s. Thos., linguist, * 1637 Wivenhoe, † 77.

Caxamarca, prov. of Peru; 215,000 inh. Its chf. ⊙ C., in W.

Andes, 9,060 ft. above sea; Atahualpa murd.; *ca.* 12,000 inh.

Caxon, Span. weight = 50 cwt.

Caxton, Willm., 1st Eng. printer, * *ca.* 1412 Kent; mercht. at Bruges 49, acquired knowledge of typog.; returned, set up press in Westminster Abbey, printed "The Game & Play of the Chess" 1474, produced 64 books, † *ca.* 1492.

Caxton Society, The, 1845–54, London; for publishing chronicles & works of Middle Ages; issued 16 works.

Cayambe, volc. ▲, Ecuador; 16,500 ft.

Cayenne, island of Fr. Guiana, S. Amer.; 18×10 m., 12,000 inh.; anctly. convict settlement. Cap. ⊙, C., *ca.* 7,500 inh. ⊕.

Cayenne Pepper, dried powd. fruits of var. specs. of capsicum; esp. of W. Ind. *capsicum annuum.*

Cayley, Arth., math. & ✕, * 1821 Richmond; sen. wrangler 42, Sadlerian prof. at Camb. 63; presdt. of Roy. ✕ Soc. 72–3. /.

Caylus, A. C. P. de T. de L., Count, Ψ & art /, * 1692 Paris, † there 1765.

Cayman, or Caiman, zool., gen. of Amer. reptiles of crocodile fam., with half-webbed feet; alligator.

Caymans, or Tortugas, 3 small islands N.W. of Jamaica; Grnd. C., Little C., & C. Brack; turtles; discovered by Columbus; 800 inh.

Cazembe, country of Cent. Afr., N. of Bangweolo; *ca.* 120,000 s.m. Cap. ⊙, Usemba, or Lunda.

Caziqne, chf. of Amer. Ind. tribe.

Cazimi, astrol., the middle of the sun. In C., = less than 17 minutes distant from the sun.

Cazotte, Jacq., Fr. rom. /, * 1720 Dijon, † by guillotine 1792.

Cazouyny, or Cazwyny, Zacharia ben Mahomet ben Mahmoud, Arab. nat. ☫, * *ca.* 1210 Cazwyn, Pers., † 83. /.

C.B., Companion of the Order of the Bath.

Cd, ♃, symbol for element Cadmium.

Ce, ♃, symbol of element cerium.

Ceadwalla, k. of Wessex 685–88, † 89.

Ceanothus, ♣, red-root. *C. Americanus* is New Jersey tea.

Ceawlin, k. of Wessex, *ca.* 560–92.

Cebes, ∴ of Thebes, pupil of Socrates. /.

Cecco d'Ascoli (Francesco Stabili), Ital. ♯ and poet. /, * 1256 Ascoli, † at stake 1327 Florence. "Acerba."

Cecidomyia, entom., gen. of diptera. *C. tritici,* the wheat-fly.

Cecil, *v.* Burleigh, & Salisbury.

Cecilia, St., patroness of ♫ & the blind, mart. 3rd cent.; fest. 22/11.

Cecilians, zool., fam. of nearly naked amphibious vertebrates; small-eyed, small-scaled; tropical.

Cecrops, Grk. myth., finder. & k. of Attica; blt. Athens; taught worship of the gods.

Cedar, ♣, Eng. name of var. trees of ords. *pinaceæ* & *cedrelaceæ;* esp. of *abies cedrus,* or cedar of Lebanon; *juniperus virginiana,* Virginian cedar, &c.

Cedar-bird, ornith., Amer. waxwing, *ampelis carolinensis.*

Cedilla, a mark placed under c (ç) in French, &c., to give it the sound of s.

Cedrelaceæ, ♣, ord.; incl. mahogany, satin-wood, yellow-wood, red-wood of Coromandel.

Celakowsky, F. Wladislas, Czech poet. /, * 7/3 1799 Strakonitz, † 5/8 1852 Prague; editr. of Slav. folk-songs.

Celandine ♣, swallow-wort, *chelidonium.* Lesser C., *ranunculus ficaria.* Tree C., *bocconia frutescens.*

Celano, Ital. ⊙; 7,000 inh.; nr. it the lake of C., now ptly. draind.; anct. ⊕, Fucinus.

Celano, Tommasa da, Ital. monk 13th cent. / "Dies Iræ."

Celebes, islnd. E. of Borneo; ▲ous; gold, ebony, tortoiseshell, rice, spice, oil; divd. into 13 principalities under Dutch control; on S.W. Dutch settlmnt. of Macassar;

360,000 inh.; cap. ⊙, M. Area of isle 70,000 s.m.; *ca.* 170,000 inh.

Celery, ♃, *apium graveolens.*

Céleste, Mme., danc. & actress, * 6/8 1815 Paris; married in Amer. Mr. Elliott; † 82.

Celestine, or Celestite, ⊕, nat. sulphate of strontia.

Celestine, name of 5 popes; I. 422–432; II. 1143–44; III. 1191–98; IV. 1241–43; V., St. (Pietro da Morroni), 1294–95.

Celestines, monast. ord. institd. *ca.* 1254 by St. Celestine (P. da Morroni); suppressd. in Fr. 1778.

Cell, physiol., ultimate structure of anim. & veg. bodies; minute vesicle in form of closed sac, consisting of envelope, or cell-wall, & contents. In anims. envelope is gently. gelatine; in plts. cellulose. Contents always derived from protoplasm. Aggregated cells form cellular tissue.

Cellarius, Christopher, ⊙, Orient., & ♛ /, * 1638 Smalkald; prof. at Halle; † 1707.

Cellini, Benvenuto, ♌, goldsmith, die-sinker, * 2/11 1500 Florence, † there 13/2 71. / "Autobiography."

Cellites, monast. ord., arose Antwerp 14th cent. Lollards.

Celluloid, ivory-like compnd.; can be moulded at 176°; inflammable; decomposes at 266°. Mnf.: paper immersed in sulphuric & nitric acids is convertd. into nitrocellulose. This is washd., bleachd., & mixd. with camphor & colouring mattr. if reqnird. Used as substitute for ivory.

Cellulose, a carbo-hydrate having same compositn. as starch & gum; essential constituent of veg. cells. Tasteless; insol. in water. Treatd. with strong acid, & then mixd. with water & boild., it becomes glucose. Met with nearly pure in linen & cotton. With strong nitric acid it forms several compounds (v. Guncotton).

Celsius, And., ♃, * 27/11 1701 Upsala, † 25/4 44.

Celsius Thermometer, devisd. by C.; is centigrade: 32° Fah. = 0° C.; 0° Fah. = 17·78° C.; 212° Fah. = 100° C.; *v.* Centigrade.

Celsus, 1] Epicur. ♃, 2nd cent.; opposd. Christ.; answrd. by Origen. 2] Aulus Cornelius, Rom. ♃ / 1st cent. "De Medicina."

Celtes, Conr. (Pickel), * 1/2 1459 Wippfeld, † 4/2 1508 Vienna, where at the court he prodcd. the 1st theatrical representation.

Celtiberians, anct. Sp. race; mixd. Celt. & Iberian.

Celtis, ♃, gen. of *ulmaceæ*, known as nettle-trees; fruit of *C. australis* supposd. to be anct. lotus

Celts, Celtæ, Gallatæ, or Galli, anct. people of W. Europe, incl. Gaul. Their descendts. in Brit. are Gaels (Irlnd. & N. Scot.) & Cymri (Wales).

Celts, prehist. implements of stone, bronze, or iron found in tumuli, &c.

Cenci, Beatrice, dau. of Francesco C., Rom. nobleman; * 1577, executd. 1599 on charge of having murd. her father, who had compelled her to incest; supposed to have been innocent.

Cenimagni, Brit. inhs. of Norfolk, Suffolk, & Cambridgeshire.

Cenis, Mont, a pass of Alps betw. Savoy & Piedmont, nrly. 7,000 ft. above sea. Pierced. by R. tunnel 7½ m.; begun 1857, opnd. 70.

Cenobites, monks living in common.

Cenotaph, monument of the dead; not over the grave.

Censorinus, App. Claud, Rom. emp. for 7 days, 269.

Censors, in anct. Rom. repub., 2 offrs. or magistrates who took the census, imposd. taxes, & acted as ministrs. of morality & providence; office institd. 443 B.C., opend. to plebeians 351 B.C.

Census, a numbering of the people: in Brit. Emp. once every 10 years. First C. of Eng. & Scot. 1801, in Irlnd. 1813, of entire Emp. 71. C. taken every 10 years in

s., Swed., Norw., Holl.,
; every 5 years in Fr.,
1801 pop. of Eng. &
,536; in 1821, 12,000,236;
15,914,148; in 1861,
in 1881, 25,974,439.
pot. in 1801, 1,608,420;
20,184; in 1881, 3,785,573.
Ind. in 1821, 6,801,827;
96,597; in 1861, 5,798,967;
,174,836. Pop. of Brit.
1871, 234,762,593; in 81,
0.
coin usd. in var. decimal
s. In U.S.A. 100 cents =
= 4/2; in Holl., 100 cents
en = 1/8; in Peru & Venez.
s = 1 sol = 4/2.
al, weight = 100 lbs. avoird.
aur, class. myth., a mon-
e upper part of body being
a man, the lower that of a
The centaurs inhd. Mt.
, Thessaly; fght. w. Lapithæ
cules; driven away to Mt.
s, Epirus. In ♐, C. constel-
of S. celest. hemisph., nr. S.
contns. 2 stars of 1st magn. &
nd.
ntaurea, ♃, gen. of compo-
lts., incl. common corn-bottle,
anus.
entaury, ♃, *centaurea nigra*,
pweed.
entavo, a coin. In Mex. 100
tavos = 1 peso = 4/2; in Chili,
umbia, Uruguay, 100 centavos
1 peso = 8/10.
Centenary, hundredth anniv.
Centesimo, a coin. In Ital. 100
ntesimi = 1 lira = *ca.* 9½d.
Centigrade, divd. into 100°. C.
hermometer of Celsius divs. in-
erv. betw. freezing & boiling pnts.
into 100°. To reduce readings by
. therm. to Fah., multip. by 18,
div. by 10, add 32; *v.* Celsius.
Centigramme, meas. of weight,
th of a gramme; ·15433 gr. Troy;
·16024 gr. avoird.; *v.* Gramme.
Centime, a coin. In Fr. 100
centimes = 1 franc = *ca.* 9½d.
Centimeter, meas. of length,
metr.; *ca.* ·39 in

Centimo, a coin. In Sp. 100
centimos = 1 peseta = *ca.* 9½d.
Centipede, zool., articulatd.
anim. having numerous feet, genlly.
from 30–40. The C.s form ord.
chilipoda of class *myriapoda*.
Centlivre, Susanna, *née* Free-
man, ♁ ♂, • *ca.* 1680; m. (1) Fox,
(2) Carrol, (3) Centlivre 1706; †
1/12 1723 London. *Busybody*; *Bold
Stroke for a Wife*.
Centner, Germ. weight = 100 lbs.
Cento, poetry composd. of lines
borrowd. from var. poems.
Central America, S. pt. of N.
Amer., origlly. 1 state, known as
kngdm. of Guatemala, under Sp.
dominion, but declard. indept. 16/9
1821; for 2 years unitd. to Mex.,
but 2/7 1823 declard. a federal re-
pub. After many wars, the country
is now divd. into 5 indept. repubs.:
Guatemala, Salvador, Honduras,
Nicaragua, Costa Rica, & colony of
Brit. Honduras (r. var. States);
ca. 175,865 s.m.; 2,900,000 inh.
Central Forces, ⊙, forces
causing bodies on wh. they act to
pass towards or away from a fixed
point called the centre of force.
Either centrifugal, flying from
centre; or centripetal, seeking
centre. By united actn. they cause
a body to revolve round a central
point.
Central Provinces, a chf. com
missionership of Brit. Ind., forme
1861; 84,078 s.m.; 8,200,000 inh
chfly. Hindus. Chf. ⊙s, Nagpu
Jabalpur, Raipur.
Central Sun, according
Madler, the star η in Taurus, rou
which our system revolves.
Centre of Gravity, ⊙,
point through which the wh
weight of a body seems to act
conseq. of the earth's attrac
downwards. If supported on
point the body balances itself.
Centrifugal Force, Ce
petal Force; *v.* Central Force
Centurion, in ancient R
⚔, an officer commanding a

Century-plant, Amer. aloe, anctly. supposed to bloom once in 100 years.

Cenwealh, k. of W. Saxons, 643–72.

Cenwulf, k. of Mercia, 796–819.

Ceo, Violante do, poetess, * 1601 Lisbon, † 93.

Ceolfrid, Saxon, fndr. & abbot of Wearmouth Abbey, tutr. of Bede, * ca. 642 Northumberland, † 716 near Langres. ♂.

Ceolnoth, archbp. of Canterbury 833–70.

Ceolwulf, k. of Northumb., † 737.

Ceorl, churl, in pre-Norman times in Eng. the peasant, *i.e.* non-noble freeman, as opposed to the eorl, or noble gentleman; afterwds. the villein.

Cephalaspis, palæont., gen. of ganoid foss. fish in O. Red Sandstn.

Cephalonia, Grk. island in G. of Lepanto; 302 s.m., 81,000 inh.; chief ⊙, Argostoli.

Cephalopoda, zool., class of molluscs with distinct head surrounded by long tentacles; incl. argonaut, octopus, cuttle-fish, & fossil belemnites & ammonites.

Cepheus, class. myth., father of Andromeda. In ✶, constellation near N. celest. pole, between Little Bear & Cassiopeia.

Ceram, or Sirang, Dutch island of E. Ind. Archipel., W. of New Guinea; 6,000 s.m.; 65,000 inh.; ▲ous.

Ceramic, pertaining to pottery.

Cerastes, zool., gen. of Ind. & Afr. vipers, horned, venomous.

Cerasus, ♃, cherry-tree genus, incl. *C. lauro-cerasus*, common laurel. Dwarf-cherry (*C. vulgaris*), gean (*C. avium*), & bird-cherry (*C. padus*), are Brit.

Cerberus, class. myth., 3-, 50-, or 100-headed dog guarding entrance to Hades; brought to upper world by Hercules.

Cerda, Bernarda F. de la, Port. poetess & ♀, * 1595 Oporto, † 1644.

Cerdic, Saxon chief who invad. Eng. & estabd. kngdm. of Wessex ca. 516, † 534. He is ancestor of all subseq. Brit. kings except Canute, Hardicanute, Harold I., Harold II., & William I.

Cerealia, anct. Rom. feast of Ceres 9–18/4.

Cereals, the grasses cultivated for human food: wheat, barley, rye, oats, rice, maize.

Cerebellum, anat., pt. of brain beneath poster. lobes of cerebrum; connected with powers of motion & sex.

Cerebrum, anat., highr. & front portn. of the brain; seat of intellct.

Ceres, class. myth., Rom. goddess of seed & harvest; Greek Demeter; dau. of Saturn & Rhea; mother of Proserpine. In ✶, an asteroid, the first discovd., 1/1 1801.

Cerigo, one of the Ionian Isles; 107 s.m., 15,000 inh.; anctly. Cythera; chief ⊙, Kapsali.

Cerinthus, heretic of 1st cent., lived at Ephesus. According to some, John's Gospel was directed against his teachings.

Cerite, ♁, a siliciferous oxide of cerium; brownish-red; brittle; Sweden.

Cerito, Francesca (Fanny), dancer, * 11/3 1821 Naples; first appeared 35; London 40–45 danced *pas-de-quatre* w. Taglioni, C. Grisi, & L. Grahn; m. A. St. Léon; separated 50.

Cerium, ♁, a metal, symb. Ce: found with others in cerite; dissolves in dilute acids.

Cernagora, Montenegro (*q.v.*).

Cernebog, Slav. myth., god of darkness and evil.

Cerones, anct. Celtic tribe in Inverness and Argyllshire.

Certiorari, ♃, a writ calling up records of an inf. court, or removing a cause to a super. court.

Cerumen, wax-like secretion of the ear.

Ceruse, white lead; carbonate of protoxide of lead; usd. in paintg.

Cervantes-Saavedra, Miguel de, greatest of Sp. rom. ♂a, * 1547 Alcala de Henares; fought at ✕

Lepanto 1571; captd. by Algerines 75; devoted himself to ✓ 88; published 1st pt. of "*Don Quixote*" 1604, 2nd pt. 15; † in poverty 23/4 1616 Madrid. "Española Inglesa," "Novelas Exemplares," "Viage al Parnaso." Statue in Madrid 1835.

Cervidæ, zool., fam. of ruminant mammals; the males have deciduous antlers; incl. *cervus elaphus*, red-deer; *C. canadensis*, wapiti.

Cesarewitch, r. Czarevich.

Cesarini, Jul. de, card., present at Counc. of Basle 1431–38, † ⚔ near Varna 44.

Cesarotti, Melchiore, philol. & poet. ✓, * 1730 Padua, † 4/11 1808; translatd. Ossian & many class. ✓s.

Cesi, or Cæsius, Federico, prince of, patr. of science, fndr. of the Lincei Acad of Rome, * 1585 Rome, † 1636.

Cesti, Marc. Ant., ♪ composer, * *ca.* 1620 Florence, † 1681 Rome.

Cestoid Worms, zool., *tenioida* or *cestoidea*, intest. worms in abdomens of fish & birds

Cestus, embroid. girdle worn by Grk. & Rom. women close under the breasts

Cetacea, zool., ord. of mammiferous animals without hind feet; piscifform, but with horizontal tail; breathe w. lungs; incl. lamantins, dugongs, whales, dolphins, narwhals, porpoises, cachelots.

Cetewayo, k. of the Zulus, s. of k. Panda; regent 1861, succeed. 73; reqrd. to abolish his ⚔ system; refused; war with Brit. 79, deftd. at ⚔ Ulundi 4/7 79, taken prisoner; visited Eng. 82; partially restored 82, expelled by Usibepu 83; † 84.

Cetinje, cap. ⊙ Montenegro; 1,000 inh.

Cetraria, ✿, gen. of lichens, incl. iceland moss, *C. islandica*.

Cetus, the Whale. ♓, constelltn. of S. celest. hemisph.; contains the variable star Mira.

Ceuta, Sp. ⚓ ✠ in Morocco, opposite Gibraltar, anctly. Abyla; *ca.* 9,000 inh.; convict settlement

Cevennes, ⛰, S. Fr., from 2,000–3,000 ft. high; ▲ Mézen 5,800 ft.; ✠; retreats of Waldenses, Camisards, &c., during religious wars.

Ceylon (Singhala, Lunka, Serendib, Selan, or Tenasserim), Brit. island in Ind. O., S.E. of Hindustan; ▲ous in S.; ruby, amethyst, topaz, sapphire; pearl fishing; iron, tin, timber, coffee, cinnamon, cocoa-nut, cocoa, tea; elephants; inhs., Singhalese, Buddhists; 25,635 s.m.; 2,760,000 inh. Cap. ⊙, Colombo, on W. coast. Kandy, anct. cap., harbs., Point de Galle on S., Trincomalee on E. coast. *Govt.*: Governor, exec. counc. of 5, legisl. counc. of 15, incl. exec. counc. Rys. 180 m., teleg. 1,160 m.; rev. *ca.* £1,168,000, expend. *ca.* £1,155,000, debt *ca.* £2,194,000. ♛: Colond. from Ind. 543 B.C., by Port. 1505, by Dutch midd. of 17th cent. C. annexed by Eng. 1795, formed into separate colony 1801; last nat. king deposed 15.

Chabaud-Latour, F. Ern. H., Baron de, Fr. genl. & statesm., * 25/1 1804 Nîmes; command. Engineers in Paris 70–71, Min. of Inter. 74.

Chablis, villg. Yonne, Fr.; 2,000 inh.; white wine.

Chabrias, Athen. genl., deftd. Spart. 376 B.C. ⚔ Naxos, † 357 Chios.

Chabrol de Crouzol, And. J., Count, Fr. statesm., * 1771 Riom; Min. of Inter. 1817, peer & Min. of ✓ 24, Min. of Fin. 29; † 36.

Chad, St., patron of Lichfield 2/3.

Chadwick, Henry, sociolog., * 1801 nr. Manchester; sec. of Poor Law Bd. 34, Comm. of Health 48, C.B., retired 54.

Chæronea, now Capurna, anct. ⊙ Bœotia; ⚔ 338 B.C. Macedon; deftd. Athen. & Bœots., ⚔ 18 B.C. Sulla defeated Mithridates.

Chaffinch, ornith., *fringilla cœlebs*; bluish pink-white eggs, streaked with purple-red; permanent in Brit.

Chagres, ⚓ isth. of Panama;

subject to floods; enters Caribbean Sea at ⊙ Chagres.

Chahyn-Gherai, last khan of Crimea, submitted to Russ. 1783.

Chaillu, P. du, *v.* Du Chaillu.

Chain, or Gunter's Chain, meas. of length = 100 links = 4 poles = 66 ft.; used in land-surveying. 10 sq. chains = 1 acre.

Chain-mail, armour of iron links connected together, or sewn on to a garment; 12th & 13th cents.; used quite recently in India.

Chaitra, Hindu mo. (Aries).

Chaka, k. of the Zulus, • *ca.* 1787, assassd. 1829, great ⚔ leader.

Chalcedony, ◐, a wax-like quartz, varying in colour; when of diff. colours arranged in layers it is agate or onyx. Chrysoprase is green C., carnelian is flesh-red, sard is grey-red.

Chalcis, now Egribo or Negroponte, chief ⊙ Eubœa; 6,900 inh.

Chalcography, engraving on metal.

Chaldæa, anct. ⊙, a prov. of Babylonia, hence the Bab. Emp. Chaldæans were priests, ⁄s, astrologers, & came from ▲s of Armenia & Kurdistan.

Chaldæan Period, period of 6,585⅓ days, dept. on lunar eclipses.

Chaldron, obsol. meas. for coal, &c. = 12 sacks = 36 bushels.

Chalgrove, villg. Oxfordsh., cavalry ⚔ 18/6 1643; Hampden †.

Chalice-flower, ✿, *narcissus pseudo-narcissus.*

Chalk, ◐ & ⚗, a massive white or grey opaque carbonate of lime.

Chalk-stone, ✗, gouty secretion in joint or tissue, chiefly sodium urate.

Challemel-Lacour, Paul Armand, French statesman, • 1827 Avranches; banisd. at *coup d'état;* fnded. *Revue Politique* 59; prefect of Lyons 70, deputy ♈, senator 76, ambassador to London, 80–82, For. Min. 83.

Challis, James, math. & ✎, • 1803, senior wrangler 25, Plumian prof. of ✎ Camb. 36, † 3/12 82. ⁄.

Challoner, Richd., Rom. Cath †, • 1691 Lewes, † 1781 Milton; bp. of Debra. ⁄ "Garden of the Soul."

Chalmers, 1] Thos., Scot. †, • 17/3 1780 Anstruther; prof. of moral ♃ St. Andrews 1823, prof. of divinity Edinburgh; assisted in fndng. Free Church of Scot. 43; † 30/5 47. ⁄. Life by Hanna. 2] David, Scot. ✗ & ✎ ⁄, • 1530, Ross-sh.; Ld. of Session 65, bp. of Ross; † 92. 3] George, topog. & statist. ⁄, • 1742 Fochabers, † 31/5 1825. "Caledonia." 4] Alex., journal. & crit. ⁄, • 29/3 1759 Aberdeen, † 10/12 1834; edited "British Essayists," "English Poets."

Chaloner, 1] Sir Thos., Eng. ⚔ & dipl., • 1515 London; ambass. to Germ. & Sp., † 7/10 1565. ⁄. 2] His s., Sir Thos., • 1559, discovered alum mines near Whitby, tutor to P. Henry, s. of James I.; † 17/11 1615. 2 of his sons were members of Long Parlt. & judges of Charles I.

Châlons-sur-Marne, cap. ⊙ Marne, Fr.; cathed., 17,000 inh.; ⚔ 451 Attila deftd. Camp of C., 10 m. N., established 1856.

Châlons-sur-Saône, Fr. ⊙ Saône-et-Loire, anctly Cabillonum.

Chalus, Fr. ⊙ on Tardoire; at siege of castle Rich. I. † 1199.

Chalybeate, ✗, &c., havg. iron as chf. min. constitnt.; of springs, as at Tunbridge Wells, Harrogate, &c.

Cham, pseud. of Amélee de Noe.

Chamba, feudat. state of N. Ind., 65 × 50 m.; ▲ous, forest, 140,000 inh.; cap. ⊙, C. Under Brit. control since 1872.

Chamberlain, 1] Neville Bowles, Brit. Genl., • 18/1 1820 Rio de Janeiro; entered Ind. army 36, commd. 8th Irreg. Cav. 48, Adj.-Gen. of Beng. army 58, Commd.-in-Chf. Madras 76–80. 2] Joseph, Eng. polit., • 1836 London; chm. of Birmingham Sch. Bd. 73, mayor 73, 74, 75, deft. at Sheffield 74, M.P. for Birmingham 27/6

76; leader of Radicals; Presd. of Bd. of Trade 80–85, Presd. of Loc. Govt. Bd. 86, resigned on Gladstone's Irish policy 27/3. Appointed to represent England on Fisheries Commn. in U.S.A. 87.

Chamberlain, Royal, an officer, who manages roy. palaces & attends on person of sovereign. In Eng. Lord Grt. Chamberlain is an hered. office held alternately by fams. of Cholmondeley & Willoughby d'Eresby. Lord Chamberlain is a ministerial officer. He regulates roy. household, admits persons for presentation at court, & supervises the drama through his officer, the Exmnr. of Plays. The C. of the City of Lond. is the Corporatn. trsurer.

Chamberlayne, 1] Edwd., ✍ & polit. /, * 1616, † 1703 Chelsea. *"Angliæ Notitia."* 2] *William, poet & ✆ /, * 1619, † 86. Pharronida.*

Chambers, 1] Ephraim, author of 1st Eng. Cyclopædia 1728, * *ca.* 1680 Kendal, † 1740 London. His work formed basis of "Rees' Cyclopædia." 2] Robt., / & publisher, * 10/7 1802 Peebles, † 17/3 1871 St. Andrews. With his brother Wm. he establd. *Chambers's Journal* 1832, & did much for cause of cheap literature. "Life of Burns," "Vestiges of Creation," "Book of Days." Edtd. "C.'s Encyclopædia." 3] Sir William, △, * 1726 Stockholm, † 8/3 96; built Somerset House, London. /. 4] George, Eng. ⊕, * Whitby, † 1840. 5] William, brother of 2, * 1800 Peebles, Ld. Prov. of Edinburgh 65, 68; restored Edin. Cathed., † 20/5 83. / "Travels in America," &c. Associated in all his brother's ventures. 6] Montague, grd.-s. of 3, ♖, * *ca.* 1807; Q.C. 45, M.P. 52–57, 66–74, † 18/9 85.

Chambéry, cap. ⊙ Savoie, Fr.; cathed. 14th cent.; 18,000 inh.

Chambord, villg. Loire-et-Cher, Fr., near Blois; roy. castle, begun 1532, gave title of ct. de Chambord to duc de Bordeaux; ✕ 10/12 1870.

Chambord, Henri Chas. Dieudonné de Bourbon, duc de Bordeaux, Comte de, * 29/9 1820 Paris, s. of the murdered duc de Berri; claimant to the Fr. crown; m. Theresa of Modena (* 1817, † Gorz 25/3 86); † Frohsdorf 24/8 83.

Chameleon, zool., *chamæleo africanus,* a lizard, 5-toed, w. but 5 cervical vertebræ; changes hue owing to the *rete mucosum* containing 2 kinds of colouring matter.

Chameleon Mineral, ⚗, potassium manganate, K_2MnO_4; dissolved in water, changes from green to blue, purple, red; sold as Condy's fluid; good disinfectant.

Chamfort, Seb. R. Nic., Fr. ✆ & misc. /, * 1741, † 94.

Chamier, Capt. Fredk., rom. /, * 1796, † 1/11 1870. "Ben Brace" 35, *"Saucy Arethusa" 36, "Passion & Principle" 42;* continuatn. of James's "Naval History."

Chamisso, Adalbert v., Germ. lyr. / & nat. ☙, * 30/11 1781 Château de Boncourt, France, † 21/8 1838 Berlin. "Peter Schlemihl," &c.

Chamois, zool., the only wild antelope of Europe, *rupicapra tragus;* 2 parallel curved horns; Alps, Pyrenees, Carpathians. C. leather is largely made from sheep-, goat-, & calf-skin.

Chamomile, *v.* Camomile.

Chamouni, or Chamonix, valley & villg. of Savoy Alps, on Arve, nr. foot of ▲ Blanc, 3,000 ft. above sea.

Champac, ❀, *michelia champaca,* Ind. tree sacred to Vishnu.

Champagne, old prov. of Fr., incl. mod. deptmnts. of Ardennes, Marne, Aube, Hte. Marne. Cap. ⊙, Troyes. Incorp. w. Fr. 1328.

Champagne, wine of Champagne; still or sparkling, containg. *ca.* 12·61 per cent. of alcohol. The fermentation of the sparkling wine in the cask ceases about 8 months after vintage; it is then racked & fined twice or thrice & bottled. In July carbonic acid gas is evolved. In October the sediment which has formed is removed, the wine is often

flavoured or fortified, & the bottles are sent to market.

Champaigne, Phil. de, ●, * 26/4 1602 Brussels, † 12/8 1674 Paris.

Champerty, ⚖, bargain made by a suitor with one who undertakes to bear his costs in consideration of receiving half the property in dispute in case of success; a misdemeanour in England.

Champfleury (Jul. Fleury). /, * 10/9 1821 Leon; dir. of Ceramic Mus. at Sèvres 72.

Champignon, any mushroom; or esp. *agaricus oreades*, fairy-ring mushroom; edible.

Champion of England, hered. sinecure office held in Dymoke fam. since Rich. II.'s time.

Champion's Hill, nr. Vicksburg, U.S.A. ✕ 16/5 1863, Confeds. deftd.

Champlain, *Sam. de. 1st Fr.* govr. of Canada, * 1570 Brouage, † 1635 Quebec; founded Quebec 1608. /.

Champlain, lake betw. New York & Vermont, U.S.A., & extending into Canada; 120 m. long. ⚓ ✕ 11/9 1814; Brit. deftd.

Champollion, 1] J. Franç., Egyptol. & discovr., * 23/12 1790 Figeac, † 4/3 1832 Paris; first interpreter of hieroglyphics. /. 2] His broth. Jean Jacques, libr. to Nap. III., * 1778 Figeac, † 1867. /.

Chamsin, or Kamsin, in Egypt; hot wind from Sahara, Apr.–June.

Chance, *v.* Probabilities.

Chance-medley, ⚖, accidental killing by one engaged in a lawful act.

Chancel, △, that pt. of a church in wh. the Eucharist is administrd.

Chancellor, orig. a secretary; a high offr. of state. In Eng., Ld. High C. is highest offr. of the Crown, holder of grt. seal, speaker of Ho. of Lords, patron of Crown livings, presdt. of Ct. of Appeal, &c. C. of the Exchequer is Brit. Min of Fin. C. of Duchy of Lancaster is chf. offr. of sovereign as Dk. of L. C.s of universities are chf. offrs. C.s of dioceses are vicars-general to the bishops.

Chancellor, Rich., Eng. travlr. & navig., * *cc.* 1500; accompnd. Willoughby 53, formed Muscovy Co.; ✕ in shipwreck 56.

Chancellorsville, ⊙ Virginia, U.S.A. ✕ 3/5 1863, Feds. deftd.

Chancery Division, The, a divisn. of the High Court of Just. of Eng., constituted 1875.

Chanda, distr. of Nagpur divsn. of Cent. Provs. of Brit. Ind.; 10,000 s.m.; 540,000 inh. Chf. ⊙, C.

Chandarnagar, or Chandernagore, Fr. ⊙ & settlemt. on Hugli, 21 m. N. of Calcutta, Ind.; 2,100 acres, *ca.* 30,000 inh.

Chandler, 1] Richd., class. Ψ, * 1738 Elson, † 1810; edited "Marmora Oxoniensia" 1763, "Travels in Greece" 76. 2] Edw., †, * 1671 Dublin, bp. of Lichfield, of Durham, † 1750. /. 3] Mary, poet. /, * 1687 Malmesbury, † 1745. "Bath." 4] Sam., Presby. †, * 1693 Hungerford, † 1776. /.

Changarnier, Nic. Theodule, Fr. genl., * 26/4 1798 Autun; in Algeria 1830; commdr.-in-chf. of Paris Nat. Guard 48, sent to Metz 70, taken prisoner, monarch. memb. of Nat. Ass. 71–76, senator 76, † 15/2 77.

Channel-bill ornith., a cuckoo, *scythrops Novæ Hollandiæ.*

Channel Islands, Brit. group off N. coast of Fr., incl. Jersey, Guernsey, Alderney, Sark, Herme, Jethou, &c.; sole remains of anct. Norman possessns. of Brit. crown. Govrnd. by local legislatures; J. & G. have each a lieut.-govr.; 112 s.m., 88,000 inh.

Channing, 1] Wm. Ellery, Amer. Unitar. †, * 7/4 1780 Newport, R.I., † 7/10 1842 Bennington, Vermont. /; opposed slavery. 2] Walter, Amer. ⚕, * Newport, R.I. 15/4 1786. /. 3] His s. Willm. Ellery, Amer. journ. & poet. /, * 10/6 1818 Boston. "Thoreau" 73. 4] His cousin W. Henry, Unitar. † & /, * 25/5 1810

Boston; to Eng. 57–66, again to Eng. 71. "Memoir of W. E. Channing" 48, &c.; † 25/12 83.

Chant du Départ, Fr. revolut. song by M. J. Chénier; first sung 11/6 1794; ♫ by Méhul.

Chanterelle, ♫, the E string of violin, the A of viola & violoncello.

Chantilly, Fr. ⊙ Oise; castle late propty. of Orleans fam.; lace, annual races, 3,600 inh.

Chantrey, Sir Fras., Eng. ⌕, * 7/4 1781 Jordanthorpe, † 25/11 1841; kntd. 37, bequeathed his fortune to Roy. Acad. Statues of Wellington (Roy. Exchange), Watt, Canning (Westminster Abbey).

Chantry, private foundation established for maintaing. a succesn. of prayers for a partic. fam.; genlly. in connection with ch. or abbey.

Chanzy, Ant. Eug. Alf., Fr. genl., * 18/3 1823 Nouart; commr. of 2nd army of Loire 1870, arrested by the Commune 71, memb. of Nat. Ass. 8/2 71, govr.-genl. of Algeria 11/6 73, ambass. to Russ. 79, † 5/1 83. /.

Chaos, the vague state which existed before the creation of the world; confusion. In class. myth. C. was mother of Darkness & Night.

Chap-book, cheap book sold by hawkers; small book.

Chapel, a small church; a daughter church; a private oratory; a place of worship.

Chapin, Edwin Hubbell, Amer. Universalist † & orator, * 29/12 1814, S. of New York, † 27/12 80. /.

Chaplain, a clergymn. attached to a chapel; a clergym. attached to a private household or to that of the sovereign; a clergym. attached to the army or navy. Army C.s are directed by a C.-Genl. of the Forces.

Chaplin, Henry H., Eng. polit., * 1840; M.P. 68, Chan. of Duchy of Lancaster 85–86.

Chapman, Geo., Eng. ✆ & poet. /, * 1559, † 12/5 1634. Translated Homer.

Chapone, Hester, *née* Mulso, * 1727 Twywell, † 1801 Hadley. /.

Chappe, 1] Claude, Fr. math., * 1763 Brulon; invntr. or improver of semaphore, † 1805. 2] C. d'Auteroche, Jean, his uncle, ✱, * 1722 Mauriac, † 1769 California. / "Voyage en Sibérie," &c.

Chappell, 1] Willm., †, * 1582 Lexington; bp. of Cork, Cloyne & Ross 1638, † 49. /. 2] Willm., ♫ Ψ, * 1809 London. / "Collection of Nat. Engl. Airs" 38–40, "Pop. Music of Old. Time" 45–59, "Hist. of Music" 74.

Chaptal, J. Antoine, Ct. de Chanteloupe, ♃, * 1756 Nogaret, † 30/6 1832 Paris.

Chapter, the community of clergym. connected with a cathed. or colleg. ch., meeting in a C.-house. Meeting of knights of an order.

Char, ichth., 1] *salmo salvelinus*, Windermere. 2] Amer. brook-trout, *salmo fontinalis*.

Charade, a puzzle in which a word is indicated by means of enigmatical descriptions, either verbal, pictorial, or dramatic.

Charcoal, impure var. of carbon from bones or vegetable matter, burned with but little access of air.

Chard, leaves of the artichoke, *cynara scolymus*, blanched

Chard-beet, ♨, *beta cycla*; ribs of the leaves are eaten like asparagus.

Chardin, John, travlr., diplom., & jeweller, * 1643 Paris; to Pers. & E. Inds. 64–70, 71–77, to London 81, kntd., F.R.S. 82, on mission to Holland 83, † 24/12 1713 Turnham Green. /.

Charente, an inland dept. of Fr.; 2,295 s.m., 375,000 inh. Chf. ⊙s, Cognac, Angoulême.

Charente-Inférieure, marit. dept. of Fr.; 2,635 s.m., 468,000 inh. Chf. ⊙s, Rochefort & La Rochelle.

Chares, ⌕, ca. 300 B.C.; Colossus of Rhodes.

Charette de la Contrie, Franç.

Athan., Vendéan genl., • 1763 Couffé; co-operated with Cathelineau 93, captd. & executed 96.

Chargé-d'Affaires, a diplom. agt. who transacts business during the absence of an ambass. from his post; a diplom. agent at courts of third-rate importance.

Charites, Grk. name for Gratiæ, the Graces (*q.v.*).

Charity Commissioners, in Eng., body appointed under Acts of 1853 & 74 to inquire into & suggest reforms in the administration of charitable trusts, save those of the univs., catheds., & City of London.

Charivari, clatter, uproar, discord, hullaballoo. Hence often name of a comic paper.

Charkov, or Kharkoff, prov. of Russ. Chf. ⊙, C., on U dy; 103,000 inh.

Charlemagne, r. Charles (5).

Charlemont, James Caulfield, 1st earl of, • 1728; genl. of the Irish Volunteers 80, † 99.

Charleroi, Belg. ⊙ on Sambre, ⚙, iron ⚒, 17,000 inh.

Charles (*England*) **1]** C. I., • 9/11 1600 Dunfermline, s. of James I; succeeded 25/3 25, m. Henrietta Maria, dau. of Henry IV. of Fr.; after 4 years began to gov. without Parlt., Parlt. was summoned 40, C. began Civil War 22/8 42, deftd. at ✕ Marston Moor 2/7 44, at Naseby ✕ 14/6 45; C. surrend. to Scot. 5/5 46, delivd. to Eng. Parlt. 30/1 47; tried, executed 30/1 1649. ♂. Left 6 childr. incldg. C. II. & James II. **2]** His s. C. II., • 29/5 1630; crwnd. in Scotl. 1/1 51, deftd. at ✕ Worcester 3/9 51, restored 29/5 60, favrd. Catlis.; m. 62 to Catherine of Braganza; licentious, † 6/2 85. **3]** C. Edw. Stuart, grdson. of James II., • 31/12 1720 Rome, claimed Eng. crown, landed in Scot. 45, deftd. ✕ Culloden 16/4 46, † 30/1 88. *Carlovings & Emperors:* **4]** C. Martel, s. of Pepin d'Héristal, Mayor of the Fr. Palace, • *ca.* 690; dk. 714, Mayor of the Palace 20, deft. Arabs 32 & 37, dk. of the Franks 37, † 21/10 41. **5]** C. the Grt., Charlemagne, s. of Pepin le Bref, & grd.-son of Martel, • 2/4 742; R. with his broth. Carloman 68, sole k. of Fr. 71; conqrd. the Lombards in Ital. 74, fght. the Arabs in Sp. 78, took Bavaria 86, Emp. of Germ. 800; statesm., legislator, † 28/1 814 Aachen. **6]** C. II., the Bald, s. of Louis the Debonnaire, • 13/6 823, k. of Fr. 40, emp. 75, † 6/10 877. **7]** C. III., the Fat, • 839, k. of Ital. 79, emp. 81, k. of Fr. 84, deposed 87, † 13/1 88. **8]** C. IV., s. of John, k. of Bohemia, • 1316; emp. 55, issued Golden Bull 56, † 29/11 78. **9]** C. V. (C. I. of Sp.), s. of Philip of Austr. & Castile, • 24/2 1500; k. of Sp. 16, emp. 19, deftd. Fr. at ✕ Pavia 25, gave relig freedom to Germ. Prots. 52, abdicated 56, † 21/9 58. **10]** C. VI., s. of Emp. Leopold, • 1/10 1685; k. of Sp. 1703, emp. 11, designated his dau. Maria Theresa as heir to his Austr. domins. by the Pragmatic Sanction 24, † 20/10 40. **11]** C. VII., Elector of Bavaria, • 6/8 1697; emp. 41, † 20/1 45. *France:* C. I. & II., r. **6 & 7.** **12]** C. III., the Simple, • 879; succeed. 93, deposed 922, † 29. **13]** C. IV., the Fair, • 1294; succeed. 1322, † 28. **14]** C. V., the Wise, • 21/1 1337; succeed. 64, † 16/9 80. **15]** His s. C. VI., the Well-beloved, • 3/12 1368; succeed. 80, insane, deftd. at Agincourt, † 21/10 1422. **16]** His s. C. VII., • 22/2 1403; succeed. 22, expelled Eng. from all Fr. save Calais, † 22/7 61. **17]** C. VIII., • 30/6 1470; succeed. 83, † 7/4 98. **18]** C. IX., • 27/6 1550; succeed. 60, under infl. of Cath. de' Medici, massacre of S. Barth. 72, † 30/5 74. **19]** C. X. (C. Philippe), • 9/10 1757; succeed. 1824, abdicd. 30, † 6/11 36 Goritz. *Sweden:* **20]** C. X. (Gustavus), • 1622; succeed. 54, † 60. **21]** C. XI., • 1655; suc. 60, † 97. **22]** C. XII., • 27/6 1682; succeed. 97, deftd. Russ. at ✕ Narva 1700, dictated peace of Altranstadt 06, deftd. by Russ. at ✕ Pultowa

09, fled to Turk., returned 14, † in ⚔ Frederickshall 11/12 1718. **23]** C. XIII., * 7/10 1748; succeed. 77, adopted Bernadotte 1810, † 5/2 18. C. XIV. & XV., *v.* Bernadotte. *Spain:* (*v.* also Carlos). C. I., *v.* **9. 24]** C. II., * 1661; succeed. 65, † 1700. **25]** C. III., * 20/1 1716; suc. 59, † 13/12 88. *Naples:* **26]** C. I. of Anjou, * 1220; k. of Naples 65, lost Sicily 82, † 7/1 84. **27]** C. II., * 1248; succeed. 84, † 1309. **28]** C. III., * 1345; succeed. 80, † 86. *Burgundy:* **29]** Dk. C., the Bold, * 10/11 1433 Dijon, s. of Philip the Good; succeed. 67, took Louis XI. of Fr. prisoner, deftd. in Switz. ⚔ Grandson 1/3, ⚔ Murton 22/6 76, † at siege of Nancy 5/1 77. *Roumania:* **30]** C. I., s. of C. Ant. prince of Hohenzollern Sigmaringen, * 20/4 1839; elected p. of Rouman. 20/4 66, war with Turk. 77, declared k. 26/3 81, m. 69 Princ. Elizabeth of Wied. *Sardinia:* **31]** C. Albert, * 2/10 1798, s. of C. Emmanuel, p. of Carignano; regent of Sard. 1821, k. 31 on death of C. Felix, granted constitution 48, war with Austr., deftd., war renewed 49, deftd. at ⚔ Novara, abdicd., † 28/7 49 Oporto. *Brunswick:* **32]** Dk. C Wm. Ferd., * 9/10 1735; succeed. 80, commd. agst. Fr. 92, † 10/11 1806. **33]** Dk. C., * 30/8 1804; succeed. 15, deposed 6/9 30, † 19/8 73 Geneva, leaving his property to the ⊙. *Saxe-Weimar:* **34]** C. Augustus, * 3/9 1757; dk. 75, friend of Goethe, Schiller, Herder, † 14/6 1828. *Wurtemberg:* **35]** Dk. C. Eugene, * 11/2 1728; succeed. 87, † 24/10 93. **36]** King C. I., * 6/8 1823; succeed. 64, m. grand-duchess Olga of Russ. 46.

Charles, Alex. Cæsar, nat. ♐, * 12/11 1746 Beaugency, † 7/4 1823 Paris; first used hydrogen for balloons.

Charles's Sceptre, ♃, *pedicularis sceptrum carolinum.*

Charles's Wain, ♄, 7 chf. stars of Ursa Major.

Charleston, ⚓ ⊙, S. Carolina, U.S.A.; harbour ⚓; cotton, rice; fnded. *ca.* 1680; Fort Sumter in C. harb. taken by Confeds. 1861 at opening of Amer. Civ. War. C. bombard. by Feds. 24/8, 24/12 63, 10/1 64, 17/1 65, &c.

Charlesworth, Maria Louisa, moral & rom. ✓, * 1819. "Ministering Children," &c.

Charlevoix, P. Franç. Xavier, Jesuit travlr. & ✍ ✓, * 1682 St. Quentin, † 1761 La Flèche.

Charlière, the hydrogen balloon, as used by A. C. Charles.

Charlock, ♃, *sinapis arvensis,* wild mustard.

Charlotte, 1] Marie, dau. of Leopold I. of Belg., * 7/6 1840, m. 57 to Archdk. Maximilian of Aust., afterw. Emp. of Mexico; to Mex. 64; after trying in vain to save her husb., became insane 67.

2] C. Caroline Augusta, dau. of Geo. IV., * 7/1 1796; m. 1815 Leopold, afterw. k. of the Belgs., † 6/11 1816

Charlotte Elizabeth, *nom de plume* of Mrs. C. E. Tonna, ✓ for children, * 1792, † 1846.

Charmes, Gabr., Fr. polit. & ⚓ ✓, * 1851, † 18/4 86 Paris

Charnley Forest Stone, stone found in Charnwood Forest; used for sharpening tools.

Charnock, 1] Job, 2nd govr. of Bengal; fnded. Calcutta 24/8 1690, † 92. **2]** John, * 1756, † 1807; ✓ "Biographia Navalis," &c. **3]** Rich. Stephen, anthrop., Ψ, & philol., * 11/8 1820 London. ✓

Charon, class. myth., son of Erebus & Nox; the ferryman of departed souls across Styx & Acheron.

Charpentier, Franç. Phil., ⚕, * 8/10 1734 Blois, † there 22/7 1817.

Charpie, lint or unravelled linen used in dressing wounds.

Charqui, dried beef; corrupted into *jerked beef*

Charras, J. B. Adr., ⚔, * 7/1 1810 Pfalzburg; repub. opponent. of Napol III., imprisnd. 51, to Belg. 54, † 23/1 65 Basle. ✓ critical ✍ wrks.

Chart, a hydrographic map. 1st

C. of Brit. coasts printed 1520 by Wynkyn de Worde. John Rotz, of Dieppe, prepared 1542 a fine book of C.s, now in Brit. Mus. Any map projected on a plane.

Charte, solemn acknowledgmt. of Fr. pop. rights made 1814 by Louis XVIII., & again, with modifications, by Louis Philippe 9/8 30.

Charter Party, agreement respecting hire of a vessel & its freight, stating conditns. of hiring.

Chartier, Alain, Fr. poet. & patr. ✓, • ca. 1385 Bayeux; sec. to Chas. VI. & Chas. VII.

Chartists, adherents of the People's Charter, a document prepared in 1838 & advocatg. manhood suffrage, annual parliaments, vote by ballot, abolition of property qualification for M.P.s, payment of M.P.s, equal electoral districts. Leader of movemt., Feargus O'Connor. The agitation led to much rioting, but died out in 10 years.

Chartres, Rob. P. L. Eug. Ferd. d'Orleans, duc de, grandson of k. Louis Philippe, • 9/11 1840 Paris; served in Amer. with Feds. 62, m pcess. Marie A. de Joinville, served incognito in Fr. army 70–71, recvd. commission as major 71.

Chartreuse, Fr. villg. nr. Grenoble; in vicinity, Abbey of La Grande C. (Carthusians). The liqueur made by the monks of C.

Charybdis, rock & whirlpool at entr. of harb. of Messina, Sicily; associated with Scylla, a rock on the coast of It., in anct. poetry.

Chase, Sam., Amer. ⚖, • 1741 Maryland; sent on mission to Eng. 80, Chf. Just. of U.S. 96, † 1811.

Chasles, 1] Mich., math. & geom. ✓, • 15/11 1793 Epernon, † 19/12 1880 Paris. 2] V. E. Philarete, journ. & misc. ✓ & crit., • 8/10 1798 Mainvilliers, † 19/7 1873.

Chassé, Dav. Hendr., Baron, genl., • 18/3 1765 Thiel; served Netherlands, then Fr. till Waterloo, defend. Antwerp 1830, 32, † 2/5 49.

Chassepot, ⚔, a needle-gun breechloader, invented by Antoine Alphonse C. (• 4/3 1833 Paris, † 86), & adopted by Fr. army 1866.

Chasseurs, in Fr. army, light-armed riflemen, either foot or horse.

Chastelard, P. de B. de, Fr. poet, devoted to Mary Q. of Scots; • ca. 1540, executed for invading her privacy 1563.

Chatelet, Gabrielle E. le T. de B., marquise du, math. & translator of Newton into Fr.; • 1706, dau. of Baron de Breteuil, † 10/9 49, mistress of Voltaire. ✓.

Chasuble, Rom. Cath. vestment worn over alb at mass.

Chataka, Ind meas. New Bazar weight, 1 C. = $2\frac{3}{16}$ oz. In Bombay, 1 C. = 1·9714 oz. In Bengal, 1 C = 5 sq. yds.

Chateaubriand, Franç. René, vicct. de, Fr. rhetor. & ✓, • 4/9 1768 St. Malo; ambass. to Engl., For Min., † 4/7 1848 "Atala," "Le Dernier des Abencerrages," "Rene."

Châteaudun, Fr. ⊙ in Eure et Loire; 7,000 inh.; stormed by Germs. 18/10 1870.

Chatham, ⚓ ⊕ Kent, nr mouth of Medway; dockyd., school of ⚔ ⊕; 47,000 inh. Returns 1 M.P.

Chatham, Earl of, v. Pitt.

Chatham Chest, a fund for disabled naval seamen, establ. in reign of Eliz., supprtd by stoppage from wages. Expense now borne by public purse.

Chatham Dockyard, fnded. by Q. Elizabeth 1586 on site of present gun-wharf; removed to present site 1622; fortifications strengthened 1667, 1757, 1808, &c.

Chatham Islands, group in S Pacif O.; discovd. 1791 by Lieut. Broughton, of H.M.S. *Chatham*; incl Chatham (Waitangi ⊙ & harb.), Pitt, South-East.

Chatsworth, villg. Derbysh., seat of dk. of Devonshire; house built 1706 on old site; fine collections.

Chattanooga, Georgia, U.S.A. ⚔ 25 11 1863; Confeds. deftd.

Chattels, ⚖, goods which are separable fm. the person, as cattle,

implements, rights, &c.; or genlly., any possessions.

Chatillon-sur-Seine, Fr. ⊙; 5,000 inh.; Congress March 1814.

Chatrian, Alexandre, Fr. rom. ✓, collaborator with Émile Erckmann (*q.v.*), * 18/12 1826 Soldatenthal, dept. of Meurthe.

Chatterton, 1] Thos., Eng. poet. ✓, * 20/11 1752 Bristol, † by suic. 25/8 1770 London. "Romaunt of the Cnyghte," "Poems of T. Rowley." 2] Georgina, Lady, *née* Leveson-Gower, nov. ✓, † 1876.

Chaucer, Geoffrey, "father of Eng. poetry," * *ca.* 1340 London (?), † 25/10 1400 Westminster; taken prisoner in Fr., released 60, diplom. missions to Ital. & Fr., M.P. 86. ✓ "Canterbury Tales," "Romaunt of the Rose," "House of Fame," "Legend of Good Women," "Troilus & Cresseide," "Testament of Love," &c. Monument in Westm Abbey.

Chaudet, Ant. Denis, ⊙, * 31/3 1763 Paris, † there 19/4 1810.

Chauncey, Chas., Amer. nonconformist †, * Boston 1705, † 87. ✓.

Chauvinism, excessive patriotism, jingoism, extreme enthusiasm. From a character in one of Scribe's comedies.

Chavanne, Jos., cartog., travlr., ✓, * 7/8 1846 Graz; to Mex. 67–69, W. Inds., N. Amer., Morocco, Sahara; to Congo 83.

Chay, Choy, or Shaya, Madras red dye from root of *oldenlandia umbellata*, Coromandel coast.

Cheadle, ✱, *mercurialis perennis*, dog's mercury. C. Dock, ✱, *senecio jacobæa*, ragwort.

Chech, or Rhstvaen, a cromlech; sepulchral monument.

Checkers, a game; draughts.

Cheddar Pink, ✱, *dianthus cæsius*.

Cheese, mixture of milk & rennet, or acid, produces a kind of fermentatn., which causes a separation in the form of curd of the casein & butter. This curd is drained, salted, pressed & dried, & is then cheese. Best C. is made from new milk with extra cream added, *e.g.* Stilton; Cheddar, Cheshire, Glo'ster, Wensleydale, &c., are from new milk; inferior kinds are from skimmed milk. *Ca.* 9 lbs. new milk = 1 lb. cheese. Cheddar cheese = 35 pts. water, 30 pts. butter, 28 pts. casein, 7 pts. min. matter, milk, sugar, &c.

Cheese-hopper, the larva of the cheese-fly, *piophila casei*.

Cheese-mite, entom., a wingless spider, *acarus domesticus*.

Cheese-mould, ✱, a hyphomycetous fungal, *aspergillus glaucus*.

Cheese-rennet, ✱, *galium verum*, ladies' bedstraw; employed to curdle milk.

Cheetah, or hunting-leopard, zool., 1] *felis leopardus*; 2] *felis jubata*. Latter is semi-domesticd. in Ind. & used for hunting deer.

Cheetoo, Pindharee chief, deftd. by Brit. 25/1 1818; killed by tiger.

Cheever, 1] Geo Barrell, relig. poet. ✓, * Hallowell, Maine, U.S.A. 17/4 1807. 2] His broth. Henry Theod., * 1814. ✓ "Life in the Sandwich Islands," &c.

Chef-d'œuvre, Fr. = a masterpiece; *plural*, chefs-d'œuvre.

Cheir, ✱, *cheiranthus cheiri*, wild wallflower.

Cheiroptera, zool., nat. ord. of mammals with fingers elongated & webbed for flying; conts. the bats.

Cheke, Sir John, ✓, * 16/6 1514 Cambridge, † 13/9 57; provost of King's Coll., Cambridge, kntd. 51.

Chela, a scholar; catechumen.

Chelius, Max. Jos., surg., * 16/1 1794 Mannheim, † 17/8 1876 Heidelberg. ✓.

Chelmon, ichth., gen. of fishes having snout capable of projecting a drop of water at a fly, &c.

Chelmsford, 1] Fredk. Thesiger, 1st Baron, Eng. ⚖, * 1794 London; entered navy, called to bar 1818, Q.C. 34, M.P. 40, Att.-Genl. 44–46, Ld. Chanc. 58–59, 66–68, † 5/10 78. 2] His s. Fredk. Aug. Thesiger, 2nd Baron, * 1827; entered army, Adj.-

Genl. in Abyss. 67–68, in Ind. 68–76, command. in Kaffir War 78, in Zulu War 79, Lieut. of the Tower 84.

Chelonia, zool., gen. of reptiles contng. turtles. *C. midas* is green turtle. *C. imbricata* is hawk's-bill turtle. *C. caretta* is loggerhead turtle.

Chelsea, Parlt. divisn. of old bor. of Chelsea, Middlesex; 89,000 inh.; rets. 1 M.P. The old ⊙ of C. contains hosp. for disabled soldiers, designed by Wren 1682.

Cheltenham, ⊙ Glo'stershire; ♨ springs; 51,000 inh.; rets. 1 M.P.

Chemical Affinity, *v.* Chemistry.

Chemical Equivalent, *vide* Chemistry.

Chemical Formulæ, symbol. expressns. indicating ⚗ constitution of a body, *e.g.* NaCl = chloride of sodium = 1 atom of chlorine + 1 atom of sodium.

Chemical Society of London, fnded. 23/2 1841.

Chemical Symbols, short forms signifying the ⚗ elements, &c., *e.g.* Na = sodium, H = hydrogen.

Chemistry, science of the properties of the different forms of matter, & their mutual reactions; developed from the alchemy of the Middle Ages. All subst. are divisible into 2 grt. classes: *elements* & *compounds.* Every form of matter is produced by combinations of elements. Combination is produd. by ⚗ attraction or affinity. Combination always takes place in cert. definite proportions, & thus each element has what is called its combining or *atomic weight.* Similarly, a cert. def. numb. of atoms of each element is capable of combining with, or of replacing in compounds, certain numbers of atoms of other elements; these are their *chemical equivalents.* Modern organic chemistry is the chemistry of the carbon compounds, otherwise there is no difference betw. org. & inorganic ⚗. *Vide* Watts's "Dict. of Chemistry," Tilden's "Introduction to Chemical Philosophy," Rodwell's "Birth of Chemistry." ⚗ was first ⚗ investigated by Boyle, Stahl, Neumann, Pott, Duhamel, Macquer, Hales, Black, Cavendish, Priestley, & Scheele.

Chemnitz, Martin, Germ. reformer, * 9/11 1522 Treuenbritzen, † 8/4 1586 Brunswick. ✓ "Examen Concilii Tridentini."

Chemosh, Moab. myth., god of war & lust.

Chenery, Thos., * 1826 Barbados; prof. of Arab. at Oxf. 68, one of revisers of O. Test. 70, editor of *The Times* 77–84, † 11/2 84. ✓.

Chenevix, Rich., ⚗, * Ireland, † 1830 Paris. ✓.

Cheng, Chinese mouth-organ.

Chénier, 1] André Marie de, Fr. romant. poet. ✓, * 29/10 1762 Constantinople, † by guillot. 25/7 94 Paris. 2] His broth., Joseph de, poet, * 28/8 1764, † 10/1 1811, © ✓. "Chant du Départ."

Chenille, a round trimming, woven or twisted.

Chennappa, native name for Madras ⊙.

Chenopodium, ✿, goose-foot.

Cheops, Chufu, k. of Egypt, *ca.* 3,000 B.C.; blt. largest pyramid.

Chephrenes, k. of Egypt, broth. of Cheops; blt. 2nd pyramid.

Cheque, a written order by a depositor to a banker directing him to pay money; must bear 1d. stamp; must be presented in lifetime of drawer. A crossed cheque, one across which two parallel lines are inscribed, can be paid only through another banker. The other banker may be specified by writing his name between the two lines.

Cher, cent. dept. of Fr., pt. of former provs. of Berri & Bourbonnais; 2,780 s.m., 348,000 inh. Cap. ⊙, Bourges. C. ⚓, branch of Loire, 200 m.

Cherbourg, ✱ ⚓ ⊙ La Manche. Fr.; breakwater, dockyds., arsenal; trade, 2 harbs.; 43,000 inh.; taken by Eng. 1418, retaken 1450.

Cherbuliez, 1] Ant. Elisée, ✓, * 1797; prof. at Geneva 26, at Lausanne 53, at Zurich 56, † 14/5 69. 2] His neph. Victor, nov. & polit. ✓, * 1829 Geneva.

Chérif Pasha, Turk. statesm., * *ca.* 1822 Constantinople; went to Egypt, entered army, For. Min. 57, Min. of Education, Presdt. of Counc. of Just. 67, Min. of Inter. 68, regent of Egypt 65, 67, 68, Premier 79–84, † 87 Graz.

Cherimoyer, fruit of *anona cherimolia*, S. Amer.

Cherokees, N.Amer. Ind. tribe, formerly inhabiting S. States of Union; now nearly extinct.

Cherry, ✱, name of var. specs. of gen. *prunus* & sub-gen. *cerasus* (*q.v.*).

Cherry-pie, ✱, 1] *Heliotropium peruvianum.* 2] *Epilobium hirsutum.*

Cherry-wood, ✱, a plt., *viburnum opulus.*

Cherry, And., Irish com. & ⊙ ✓, * 1762 Limerick, † 1812 Monmouth. *All for Fame*, &c.

Chersonesus, anct. ⊕, 1] Thracian C., penin. betw. G. of Melas & Hellespont. 2] Tauric C., the Crimea. 3] Any peninsula.

Chert, ⊕, hornstone, jasper.

Cherubini, Maria L. Zenobi C. S., Ital. ♫ composer, * 14/9 1760 Florence, † 15/3 1842 Paris; director of Paris Conserv. ✓ *Lodoiska, Les deux Journées, Iphigenia in Aulide, Requiem in C minor.*

Cherusci, tribe of anct. Germ. on Weser; deftd. Varus, deftd., with Catti & Chauci, by Germanicus.

Chervil, ✱, a potherb, *chærophyllum sativum.* Sweet or Grt. C., *myrrhis odorata.* Wild or Mock C., *anthriscus sylvestris.* Parsnip C., *anthriscus bulbosus.*

Chesapeake Bay, Maryland & Va., U.S.A.; deep; 180 m. long.

Cheselden, Willm., Eng. surg. & anat., * 1688 Leicestersh.; F.R.S. 1712, † 10/4 1752 Bath. Discoveries in lithotomy. ✓.

Cheshire, marit. co., N.W.Eng.; salt, mnfs.; 1,102 s.m., 644,500 inh. Rets. 8 M.P.s: Altrincham, Crewe, Eddisbury, Hyde, Knutsford, Macclesfield, Northwich, Wirral.

Chesne, Du, *v.* Duchesne.

Chess, anct. game of skill, playd. by 2 persons, each with 16 men, on a board of 64 squares. Arose in Ind. sev. cents. B.C.; introded. to Europe by Arabs 8th cent. Caxton printed "The Game & Playe of the Chesse" 1474. *Vide* H. Staunton's "Handbook."

Chessy Copper, ⊕, azurite, chessylite.

Chest, or Thorax, anat., pt. of body inclosd. by ribs & breastbone.

Chester, chf. ⊙ of Cheshire, on Dee; bpric., cathed. 11th cent.; 41,000 inh.; rets. 1 M.P.

Chesterfield, Philip Dormer Stanhope, 4th earl of, wit, statesm., & ✓, * 22/9 1694, † 24/3 1773.

Chesterfield Inlet, estuary N.E. Hudson Bay.

Chestnut, ✱, common name for *castanea.* Spanish C., *castanea vesca.* Earth C., *bunium flexuosum.* Horse C., *æsculus hippocastanum.*

Chetham, Humphrey, * 1580, † 1653; fnded. coll. & libr. at Manchester.

Chettik, poison from *strychnos tieute*, upas tieute of Java.

Chettle, Henry, Eng. poet. & ⊙ ✓, * *ca.* 1540, † 1604.

Chetwode, Knightley, ✓, dean of Glo'ster 1707, * 1652 Coventry, † 1720. "Life of Ld. Roscommon," &c.

Chetwood, W. Rufus, ✓, † 1766; "General Hist. of the Stage" 1749.

Chetwynd, Geo., originator of the P. O. Savings Bank, * 1824; accountant-genl. of P.O., † 3/12 82.

Chevalier, 1] Mich., Fr. econ. & statist., * 13/1 1806 Limoges, † 18/11 79. 2] S. P., *v.* Gavarni.

Chevaux-de-frise, ✕, pieces of timber or iron armed w. spikes for defending a passage or obstructing cavalry.

Cheves, Langdon, Amer. ⚖ & polit., * 1776 Abbeville, S. Car.; Speakr. of Cong. 1812–15, † *ca.* 60. ✓.

Cheviot Hills, low ▲ betw. Eng. & Scot.; highest pt. Cheviot Peak, 2,684 ft.

Chevreau, Henri, Fr. ⁄ & stateam., • 28/4 1823 Belleville; Pref. of the Seine 5/1 70; Minist. of Int. 70.

Chevreul, Mich. Eng., ⚗, • 31/8 1786 Angers; prof. of applied ⚗ at Museum of Nat. Hist., Paris, 30; F.R.S.; researches in ⚗ of colours. ⁄.

Chevron, herald., a bar bent at right angles; occupe. ⅓rd or ⅓th of the field. In ⚔, disting. mark on sleeves of non-command. officers.

Chevrotain, zool., the napu; *tragulus javanicus*, unhorned deer.

Chevy Chase, name of old Eng. ballad, prob. by Rich. Sheale, of Tamworth, *ca.* 1540, fnded. on skirmish at Otterbourne, in Cheviot Hills, 1388.

Cheyne, 1] Geo., ✠. • 1670, † 1742 Bath. ⁄. 2] John, ✠, • 1777, † 1836. ⁄.

Chéxy, 1] Wilhelmine, *née* Klencke, ⁄, • 26/1 1788 Berlin, † 28/2 1856 Geneva. 2] Her s. Wm., rom. ⁄, • 1806, † 1865. 3] Ant. Léonard, husb. of 1, Orientalist, • 1773 Neuilly, † 1832 Paris. ⁄.

Chian Turpentine, turp. from *pistachia terebinthus* of Chios.

Chiari, Ital. ⊙ on Oglio; 10,500 inh.; ⚔, 1/9 1701, Villeroi deftd.

Chiaro-oscuro, in ◉, the combination & arrangement of light & shade.

Chiasma, anat., cent. body of nervous matter, formed by junctn. of opt. nerves.

Chibouque, Turk. tobacco-pipe, long-stemmed.

Chica, or Carajuru, red pigment from leaves of S. Amer. *bignonia chica*, used by Inds. on their bodies and by dyers.

Chicago, ⊙ Illinois U.S.A., on L. Michigan; fnded. 1829, burnt 71, 74; grain, pork, beef, cattle, timber; 540,000 inh.

Chichele, Henry, bp. of St. Davids 1408, archbp. of Canterbury 1414, • *ca.* 1362, † 1443; completd. & endowd. All Souls' Coll., Oxon, 1442.

Chichester, Arthur, soldr. & stateam., • Raleigh, creatd. Bar. Chichester, Ld. Treasurer 1615; † 1624 London.

Chichester, ⊙ Sussex; cathed. 13th cent.; 9,700 inh.

Chick-pea, or Chiche-pea, ✠, the vetch, *lathyrus cicera*.

Chickamauga, N.W. Georgia, ⚔ 20/9 1863; Feds. deftd. by Genl. Bragg.

Chickasaws, Ind. tribe orig. inhabg. N. part of Mississippi.

Chickweed, ✠, *stellaria media*; seeds used to feed birds.

Chicory, ✠, *cichorium intybus*, wild succory; roots used as subst. for, or for mixing with, coffee.

Chief, herald., the upper third of the field of an escutcheon.

Chief Baron, Ld. Chief Baron, old title of chief judge of Court of Exchequer, Eng. Chief Justice, Ld. C. J. of Eng., title of presiding judge of Queen's Bench Division of High Court of Justice, Eng.

Chiemsee, L. of Chiem, Bavar., at foot of Alps.

Chigi, Flavio, Card., • 31/5 1810 Rome; nuncio at Paris 61–74, created card. 22/12 73.

Chigoe, or Jigger, entom., a Braz. flea, *pulex penetrans*.

Chilblain, ✠, low form of inflammation of skin, chiefly of hands & feet; skin grows bluish & sometimes breaks, discharging matter.

Child, 1] Sir Josiah, merchnt. & chairman of East India Company, • 1630, † 99. ⁄ "A New Discourse of Trade." 2] Willm., ✠, • 1607 Bristol, † 97, composer. 3] Lydia Maria, *née* Francis, Amer. ⁄, • 1802 Medford, Mass. "Humbok," &c., † Oct. 80.

Childe, a title of honour, as *infante* in Spain; candidate for knighthood.

Childebert, name of 3 early Frankish monarchs.

Childeric, name of three early Frankish monarchs.

Childermas, fest. of Holy Innocents, 28/12.

Childers, Hugh Culling Eardley, Eng. statesman, * 1827 London, memb. of Govt. of Victoria 50–57, Agent-Genl. for Victoria 57, M.P. 60, Ld. of the Adm. 64, Fin. Sec. of Treas. 65, 1st Ld. of Adm. 68–71, Chan. of Duchy of Lanc. 72–73, Sec. for War 80–82, Chan. of Exchq. 82–85, Home Sec. 86.

Childing Pink, or C. sweet-william, ❀, *dianthus prolifer*. C. cudweed, *filago germanica*.

Childs, Geo. Willm., Amer. publisher, * *ca.* 1830 Baltimore; proprietor of Philadelphia *Ledger* 64.

Chili, indept. repub. of S. Amer. on Pacif. O., in 20 provs. & 3 territories; 307,525 s.m., 2,200,000 inh.; ⛰ Cordilleras, ▲ Aconcagua, agri., cattle, copper, silver. Chf. ⊙s, Santiago, Porto, Valparaiso, Valdivia, Coquimbo, Copaipo, Ancud. Relig., Rom. Cath. Rys., 1,880 m. Teleg., 6,000 m. ⚓s: Biobio, Maule. Most flourishing repub. of S. Amer. Army 8,150, reserve 52,000; navy 11 ships, 2,225 men. Rev. *ca.* £5,560,000; exp. *ca.* £5,370,000; debt *ca.* £17,525,000. ♛: Land seized by Sp. 1535–50, under Almagro; War of Independence began 18/9 1810, C. declared independent 5/4 18, independence recognd. by Sp. 44; vict. war with Peru and Bolivia 79–82.

Chiliasm, a belief in the Millennium.

Chilli, Amer. red pepper; pods of *capsicum* (*q.v.*).

Chillianwalla, ⚔, Brit. deftd. Sikhs 14/1 1849.

Chillingham Cattle, cattle preserved in semi-wild state in C. Park, Northumberland; white, with black muzzle; surviving representatives of gigantic Pleistocene *urus*.

Chillingworth, William, Eng. †, * 1602, † 44. ✓ "Religion of Protestants," &c.

Chillon, ⊕, Cant. de Vaud, Switz., on L. of Geneva; once a State prison, in which Bonivard was confined.

Chilmead, Edm., math. & ♅, * 1611 Stow-on-the-Wold, † 54. ✓ "De Musica Antiqua."

Chiloe, islnd. off S. Amer. coast belonging to Chili, 120×50 m.; ▲ous, forest, 50,000 inh.

Chilon, one of the 7 Grk. sages, *ca.* 590 B.C. Lacedæmonia.

Chilperic, name of two early Frankish monarchs.

Chiltern Hundreds, Bodenham, Desboro', and Stoke, Bucks; the stewardship of which is often accepted by an M.P. who desires to resign his seat. It is an office of profit under the Crown, and the occupant of such cannot retain his seat unless re-elected. M.P.'s can only resign on accepting office.

Chimæra, Grk. myth., a fire-breathing monster of Lycia, killed by Bellerophon.

Chimborazo, peak of Andes ⛰, Ecuador, S. Amer.; 21,424 ft.

Chimere, eccles. vestmt. worn by Eng. bps.; black silk with lawn sleeves.

Chimney-swallow, ornith., *hirundo rustica*.

Chimpanzee, zool., *troglodytes niger*, equatorial Africa.

China, or Tchung-Kue, the Middle Kingdom; emp. of E. Asia, includ. China proper, Corea, Manchuria, Mongolia, Thibet, China proper is divided into 18 provs.: Chihli, Shantung, Kiangsu, Chehkiang, Fukien, Kwangtung, Shensi, Anhwei, Honan, Shansi, Kansu, Szechuen, Hupeh, Hunan, Kwangsi, Kweichow, Yunnan, Hwangsi, with islands of Hainan & Formosa. ⛰s: Juenling, Nanling, Peeling, Karakorum, Thianshan, Altai, Sajan. ⚓s: Sikiang, Yangtsekiang, Hoangho, Peiho, Amur, Tarim. *Products*: Tea, silk, cotton, porcelain, lac, rhubarb, gold, silver, iron, quicksilver, jasper, copper, coal, salt, rice. *Area*: 4,558,300 s.m.; *ca.* 325,000,000 inh., Chinese, Tartars, Mongols, Malays, Thibetans.

Relig.: Teaching of Kong-fu-tse (Confucius), Tao-tse, Buddhism. Cap. ⊙, Peking. *Ports*: Canton, Nanking, Amoy, Foochoo, Ningpo, Shanghai, Tientsin. *Monarch*: Kuanghsü, succeeded 12/1 1875. ♛: The first dyn. was that of Schang & Hia, till 1122 B.C.; dyn. of Han began 220 A.D. C. was later divid. into 3 pts., which in 280, by Wu-ti, of the Tsin dyn., were united. North C. conqrd. by Mongols 386; invasn. of Tartars 1279; C. again united. Present dyn. fnded. by Schun-tchi-kang-hi; conqrd. Thibet and Formosa; deftd. the Mongols; Opium Wars 1840–42, 57–58, 60–61; opening of country to Europ. trade. Taeping rebellion 61; difficulty with Fr. 84, peace 85.

China, Great Wall of; wall blt. by Chinese emp. Schi-hoang-ti 3rd cent. B.C. to keep out the Tartars, &c.; skirts N. frontier 1,200 m.

China, Language of; a monosyllabic language, having 500 ultimate words & over 50,000 graphic characters. Its study begun in Europe by Abel Remusat.

China, Literature of; very anct. & extensive; among oldest of religious works are those of the Confucian ☯, *ca.* 6th cent. B.C. Chief lyr. ♪s, Tufu & Lithaipe, 8th cent. Drama contemptible. Valuable ♛ & ⊕ works, esp. the ♛ of Shuking & an encyclopædia of 6,109 vols.

China Aster, ❀, *callistephus chinensis*.

China-bark, bark of *buena hexandra*; febrifuge; S. Amer.

China Clay, or Kaolin, potters' clay, found in Cornwall, &c.

China-grass, ❀, *böhmeria nivea*, the Ind. nettle or rhea; its fibre may be woven.

China-pink, ❀, *dianthus chinensis*, a perennial pink.

China-root, tuberous rhizome of *smilax china*; subst. for sarsaparilla.

Chinaman's Hat, shell of a mollusc, *calyptræa sinensis*.

Chincapin, ❀, *castanea pumila*, dwarf chestnut; S. Amer.

Chinch, entom., *cimex lectularius*, the bed-bug.

Chincha Islands, group of 3, off Peru, in Pacific O.; guano.

Chinchilla, zool., small rodent of Chili, *eriomys laniger*; fur valuable.

Chinese Fire, composed of gunpowder 16, nitre 8, charcoal 3, sulphur 3, cast-iron borings 10 parts.

Chinese Indigo, ❀, *isatis indigotica*.

Chinese Pitcher-plant, ❀, *nepenthes phyllamphora*.

Chinese White, white oxide of zinc. C. yellow, bright sulphuret of arsenic.

Chinkwort, or Letter-lichen, a sp. of the gen. *opegrapha*, fnd. on tree-trunks.

Chino, offspring of a negro & an Indian woman.

Chinoidine, ⚗, $C_{20}H_{24}N_2O_2$; amorphous quinine; febrifuge.

Chintz, printed cotton cloth in several colours.

Chios, v. Scio.

Chiosai, Jap. potter, of Kioto, 18th cent.

Chipmunk, zool., a N. Amer. squirrel-like anim., *tamias lysteri*.

Chippeways, or Ojibways, tribe of Amer. Indians in Canada.

Chiromancy, palmistry; pretended divination from the lines of the hand.

Chiron, Grk. myth., a centaur celebrated for wisdom & knowledge of ♥ & ♂; killed by poisoned arrow of Hercules; placed as Sagittarius among constellations.

Chisholm, Caroline, *née* Jones, philanth., ✶ *ca.* 1810 Wootton; friend of Austral. immigration; fnded. Female Colonisatn. Loan Soc., † 25/3 77. ♪.

Chislev, or Chisleu, v. Kislev.

Chitarrone, ♫, theorbo, or double-necked lute with 20 strings.

Chitine, ⚗, $C_9H_{15}NO_6$; the horny substance of the tegument. syst. of crustacea & insects.

Chiton, Greek undergarment.

Chittagong, distr. of Bengal, Brit. Ind.; ceded 1760; rice; 2,322 s.m., 1,010,000 inh. Chf. ⊙, C. or Islamabad, *ca.* 21,000 inh.

Chittagong Hill Tracts, distr. of Bengal, Brit. Ind.; separd. from Chittagong 1860; 5,561 s.m., 72,000 inh. Chief village, Bandarban.

Chitterlings, the smaller intestines of swine, &c., fried.

Chive, ♨, *allium schœnoprasum,* small spec. of onion growing in tufts.

Chladni, Ern. Fredk., Germ. ♪, • 30/11 1756, † 4/4 1827; finder. of mod. acoustics. ⁄.

Chlamys, anct. Grk. travelling-cloak.

Chloasma, discoloratn. of skin caused by a fungus, *microspora furfur.*

Chloral, ⚗, trichloraldehyde, C_2HCl_3O: colourless, odorous, oily liquid. With water it forms hydrate of C., used to adult. beer. Obtnd. by passing chlorine gas through alcohol.

Chloral Hydrate, pharm., white crystal. subst. discovd. by Dr. O. Liebreich; used in ♪ as anodyne; sleep-producer, relaxer of muscles; but its habit. use is dangerous, and becomes a vice.

Chlorate of Potassium, ⚗, $KClO_3$; obtnd. by passing chlorine through carbonate of potassium & slaked lime; used in ♪ as refrignt. & diuretic.

Chloric Acid, ⚗, $HClO_3$; monobasic acid obtained by decomposing barium chlorate by dilute sulphuric acid. Forms salts called chlorates.

Chloric Ether, ⚗, ethyl chloride, C_2H_5Cl; a monatomic haloid ether formed by substitution of 1 atom of chlorine for 1 of hydrogen in the hydrocarbon ethane by direct action of chlorine. The O. E. of pharm. is solution of 1 fluid oz. chloroform in 19 fl. oz. of rectified spirit; used as narcot. & antispasm.

Chloride, ⚗, a compound of chlorine w. an element or radicle. C. of sodium, NaCl, is common salt. A solution of C. of zinc is "Sir W. Burnett's Disinfectant."

Chlorination, process of extracting gold by exposing ore to chlorine gas; introd. by Plattner.

Chlorine, ⚗, a monatomic element, symb. Cl; discovered by Scheele 1774, fnd. to be an element by Davy 1810. A yellow-green incombustible gas, irritating to mucous membrane, very soluble in water, acts strongly on metals; at pressure of 5 atmosp. is condensed into heavy yellow liquid. Obtnd. by heating commn. salt w. sulphuric acid & black oxide of manganese; destroys animal & veget. matter.

Chloroform, ⚗, formed by actn. of sun's rays on mixture of chlorine & marsh-gas, or by actn. of caustic potash on chloral or chloracetic acid; colourless, heavy, ethereal liquor, sweet; dissolvs. caoutchouc, resins, fats, &c.; decomposes in light; used in ♪ as stimulant; in surg. to produce anæsthesia, first by Simpson 1847.

Chlorosis, or Green Sickness, 1] ♪, a pecul. form of anæmia. 2] ♨, a disease of plants.

Chmelnitzky, Nic. Ivanovitch, Russ. com. poet. ⁄, • 1789 St. Petersburg, † 1846.

Chocolate, the nut of the cacao-tree; a paste made from the roasted kernels of *theobroma cacao.*

Choctaws, N. Amer. Ind. tribe formerly in Mississippi & Alabama, now in Ind. Territory; *ca.* 13,500.

Chodowiecki, Dan., celebrated etcher, ◉, & designer, • 16/10 1726 Dantzic, † 7/2 1801 Berlin.

Chodzko, 1] Ign. Boreyko, Pol. ✍ & fab. ⁄, • 1720 Mysa, † 1792. 2] Jac. Leonard Boreyko, ✍ ⁄, • 6/11 1800 Oborek, † 12/3 71.

Choir, ♙, the pt. of a church appropriated to the singers; the lower chancel. A body of choristers.

Choiseul, Étienne Franç., duc de, Count Stainville, Fr. statesm., fav. of Pompadour, • 28/6 1719; For. Min. 58–70, † 7/5 85. ⁄.

Choke-berry, ♃, spec. of pear, *pyrus arbutifolia.*

Choke-damp, carbonic acid; product of explosn. of gas in mines.

Cholera, ♃, *cholera morbus,* epidemic disease with vomiting, purging, & pain, origlly. from Ind. Eng. C. is simply severe diarrhœa. Both diseases may often be arrested by brandy or spirit of camphor slightly diluted. C. is supposed to be disseminated by microbes in water, &c.

Cholera-pill, pill contg. 1 gr. each of camphor, opium, cayenne.

Choliambic, form of iambic verse used by Grk. ✓s & by Martial: 6 feet, 5th sometimes spondee; 1st sometimes anapæst, 6th spondee or trochee.

Cholula, Mex. ⊙; 16,000 inh.; *teocalli,* or pyramids, largest 177 ft. high, side of base 1,440 ft.

Cholum, ♃, Ind. millet, *sorghum vulgare.*

Choop-rose, ♃, dog-rose, *rosa canina.*

Chopin, Fred. Franç., pian. & ♫ composer, * 1/3 1809 Zelazova Vola, Poland, † 17/10 49 Paris.

Chopin, Fr. liq. meas. = *ca.* 1 Winchester pint. In Scot. = 1 qrt.

Chopine, a high-heeled shoe.

Chopsticks, thin pieces of bamboo, metal, or ivory with wh. Chinese convey food to the mouth.

Choragus, the victor in the ♫ or ☾ competitns. at the Athen. fests. of Bacchus. Also, a chorus-master, a pub. offr. who provid. the ☾ chorus.

Chord, ♫, a combinatn. of consonant or dissonant sounds. In geom., a straight line uniting the ends of an arc or the pts. of a curve.

Chorea, ♃, St. Vitus's Dance, nerv. disordr. w. convulsive actn. of voluntary muscles.

Choriambus, a metrical foot, – ⏑ ⏑ –.

Choron, Alex., ♫, * 21/10 1772 Caen, † 29/6 1834 Paris. ♫ ✓.

Chorus, 1] a band of persons engaged in singing or dancing; singers accompanying a Grk. play. They from time to time delivered a spec. of commentary on the action. 2] ♫, a composition genlly. in 4 pts. for many voices, with accompaniment.

Chose in action, ⚖, property to which a pers. has a legal right, but of which he is not in actual possession.

Chosroës, *v.* Khosru.

Chotusitz, ⊙ Bohem.; 1,500 inh. ⚔ 17/5 1742.

Chouans, champions of the monarchy agst. the Fr. revolut., esp. in Vendee & Brittany; deftd. 1795, 99; name from leader J. Cottereau (Chat-Huant).

Chough, Cornish C., or Red-legged Crow, *fregilus graculus.*

Chrétien de Troyes, Fr. troubadour 12th cent.; ✓ legends of Round Table.

Chriemhilda, in Nibelungenlied. sister of Gunther, & beloved by Siegfried; m. Etzel.

Chrism, in R. Cath. & Grk. Chs., consecd. oil for baptism, confirmation, ordination & extreme unction; consecrated on Ascension Day by a bishop.

Chrisome, white cloth put on head of newly anointed with chrism.

Christ, the Anointed One; official title of Jesus of Nazareth.

Christ, Order of, *v.* Orders.

Christ Church, Oxford: origly. Cardinal Coll.; fnded. by Wolsey 1524, refounded 1532, changed into a cathedral church & college 1545.

Christ's Eye, ♃, *inula oculus Christi.* C.'s-hair, ♃, *scolopendrium vulgare.* C.'s-herb, ♃, *helleborus niger.* C.'s-ladder, ♃, *erythræa centaurium* or *crataegus pyracantha.* C.'s-thorn, ♃, *paliurus aculeatus.* C.'s-wort, or Christmas Rose, ♃, *helleborus niger.*

Christchurch, 1] ⊙ Hants; priory church 12th cent., 2,300 inh. Gives name to Parlt. bor. of 28,700 inh.; rets. 1 M.P. 2] Chf. ⊙ prov. Canterbury, New Zealand, 8 m. from sea, *ca.* 32,000 inh.

Christ's Hospital, London, orphan Bluecoat School, fnded. 26/6 1553 by Edw. VI., ptly. burnt 1666, reblt. by Wren, reblt. 1825 by Shaw. Branch sch. at Hertford erected 1683.

Christian, 1] a follower of Jesus Christ. Name first used during Paul's visit to Antioch. 2] An Amer. sect of Unitar. Baptists.

Christian Era, calculated *ca.* 532 by Dionysius Exiguus; hence the Dionysian Era. He probably fixed the advent 4 years too late.

Christian Knowledge, Soc. for Promoting, formed 1688.

Christian Sects, or Churches. The most important branches of the Christ. Ch. & their estimated strength are: Roman Catholics 180,000,000, Greek or E. Church 75,000,000, Anglican & other Protestants 95,000,000. The Prots. are subdivd. into more than 300 sects.

Christian Socialists, German polit. party fnded. by Court Chaplain Stocker. In Eng., a small sect of polits. who believe that Christianity is essentially socialist.

Christianity, any syst. of relig. fnded. or professing to be fnded. on the teachings of Christ. In Eng., offences against it are punishable under 9 & 10 Will. III., c. 32, &c.

Christen (Breden), Ada, *nee* Friederik, Austr. rom. & poet. ♂. • 6/3 1844.

Christian, or Christiern, name of 9 kings of Denm. 1] I. reigned 1448–81; in Swed. 57–67. 2] II., • 2/7 1481; succeed. 1513, in Swed. 20, cruel, fled, † 25/1 59 in prison Kallundborg. 3] IV., • 12/4 1577; succeed. 88, hero, † 28/2 1648. 4] VII., • 29/1 1749; weak, succeed. 66, ruled by Struensee, † 13/3 1808. 5] VIII., • 18/9 1786; succeed. 1839, † 20/1 48. 6] IX., • 8/4 1818; ho. of Holstein Glucksberg, succeed. 15/11 63, lost Schleswig-Holstein to Germ. 64, m. 26/5 42 Louisa of Hesse-Cassel 7] C., prince of Anhalt, 1568–1630. 8] C., dk. of Brunsw.-Wolfenbüttel, • 10/9 1599, † 6/6 1626. 9] Fredk. C., P. of Schleswig-Holstein, • 22/1 1831, m. 5/7 66 Pcess. Helena, of Gt. Brit.

Christiania, cap. ⊙ Norway, at head of C. Fiord, 80 m. from sea; cathed., univ., 118,000 inh.

Christina, 1] Q. of Swed., • 8/12 1626, dau. of Gust. Adolph.; succeed. 32, patr. of sc. & ♂, abdictd. 16/6 54, became R. Cath., † 19/4 89 Rome. 2] Marie C., Q. of Sp., dau. of Franc. I. of Naples, • 1806, m. 29 Ferd. VII. of Sp., regnt. 33 for her dau. Isabella II., abdictd. 40, restored 43, expelled; † 22/8 78 Havre. Her 2nd husb. was an offir. named Muñoz, dk. of Rianzares. 3] Maria C., pcess. of Austr., • 21/7 1858; m. 29/11 79 to Alfonso XII. of Sp.; regent of Sp. 25/11 85.

Christison, Robert, Scot. ♃, • 1797; prof. of med. jurisp. & mat. med. at Edinburgh, created bart. 1871, † 27/1 82. ♂ "Poisons."

Christmas Day, ann. Christ. fest., observed 25/12 in celebrat. of birth of Christ; transferred from 6/1 by Pope Julius I. In Grk. Ch. still on 6/1.

Christmas Rose, ♃, *helleborus niger.*

Christophe, Henri, negro Haytian genl. & statesm., • *ca.* 1767; cook in St. Domingo, joined insur. against Fr. 90, served und. Toussaint l'Ouverture & Dessalines, murd. Dessalines 1806, presdt. of repub. of Hayti, king 11 as Henri I., deposd. by Genl. Boyer & the dk. of Marmalade, † by suic. 8/10 20.

Christopher, 1] III., k. of Denm., of ho. of Bavaria; succeed. 1440, in Swed. 41, † 48. 2] Dk. of Wurtemberg, • 12/5 1515; succeed. 50, † 28/12 68; establd. Lutheranism.

Christopher Herb, ♃, *actæa.*

Christopher, St., martyr of 3rd cent. Fest., R. Cath. 25/7, Grk. 9/5; fabld. to have carried an apparitn. of Christ across a river.

Christopher's, St., *v.* St. Christopher's.

Crustaces, any gems of variable colour.

Chromate, ♃, salt of chromic acid. C. of potassium much used in photography & as pigment.

Chromatic Aberration, opt., different refrangibility of different coloured rays; deviation of sev. coloured rays from one focus.

Chromatic Scale, in ♅, proceeds by semitones or half-notes.

Chromatics, the branch of optics wh. deals with colours.

Chromatrope, magic-lantern effect produced by 2 brilliant slides revolving upon one another in diff. directions.

Chrome, ●, any colour prepared from salts of chromium; esp. any colour that can be mixed without grinding. There are C. greens, oranges, reds, yellows.

Chromium, ●, metallic tetrad element, discovered 1796 by Vauquelin; symb. Cr. Chf. ore chrome-iron, Shetlands, & a lead chromate.

Chromo-lithography, process of printing in colours from a succession of lithographic stones; invntd. *ca.* 1797 by Alois Senefelder.

Chromograph, instr. for obtng. fac-slm. copies of written matter.

Chronic, ♂, of disease, of long duration; opposed to acute.

Chronicles, 2 books of canon. O. Test., prob. written *ca.* B.C. 270, but ascribed by tradition to Ezra.

Chronicon ex Chronicis, from creatn. to 1119, by Florence of Worcester; continued by another to 1141; earliest Eng. chronicle.

Chronogram, inscriptn. in wh. date is incld. & expressed in numerical letters, *e.g.* MECLOPVS = 100 + 50 + 0 + 5 + 1000 = 1155.

Chronograph, a time indicatr., wh. makes a mark on a travelling paper during any desired period, as during a race. ●

Chronology, the sc. of the order & time of events. It requires the recognition of an epoch or era, a fixed point of time from which computatns. may be made; & the recognitn. of a measure of time. The epoch is arbitrary; the measure depends upon the period of revolutn. of one or another of the celest. bodies; is either a solar yr. of 365 dys. or a lunar yr. of 13 mths. The commonest fixed era, proposd. 527, is the year of the birth of Christ; *v.* Era.

Chronometer, horol., instr. for exact measuremt. of time; clock or watch having compensatns. for fluctuatns. of temperature. C.s are tested betw. temps. of + 120° and − 60° at the Govt. observatories.

Chronometer, ♅, a metronome.

Chronoscope, instr. invntd. by Wheatstone 1840 to ascertn. veloc. of projectiles.

Chrysalis, nat. ♛, last stage through wh. a lepidopterous insect passes before perfectn.; pupa; insect is inactive, inclosed in case of fibre spun by the larva.

Chrysander, Fried., ♅ critic, editor & ✓, • 8/7 1826 Lubtheen; editor of Handel.

Chrysanthemum, ♃, gen. of shrubby plants of corymbiferous group of *compositæ*, incl. ox-eyed daisy, *C. leucanthemum*, Brit.; corn-marigold, *C. segetum*, Brit. Common C. is *C. sinensis*; many varieties introduced from China & Japan; blooms in Nov. & Dec.

Chrysippus, Stoic ♃, • 280 B.C. Soli, Cilicia, † 207; pupil of Cleanthes. ✓.

Chrysoberyl, ●, greenish or yellow-green orthorhomb. min.

Chrysolite, ●, precious green orthorhomb. min.; Levant; zircon; topaz; var. of tourmaline.

Chrysoprase, ●, apple-green var. of chalcedony; yellow-green var. of beryl.

Chrysostom, St. John, father of Greek Ch., • 347 Antioch, † 407 Comanum; archbp. of Constantinople 398, twice deposd. Fest. R. C. 27/1, Grk. 13/11. ✓ "Homilies."

Chrzanowski, Adalbert, Pol. Genl., • 1789, servd. Fr., Russ., Poland, Piedmont, † 1861.

Chub, ichth., river fish, *leuciscus cephalus*, of fam. *cyprinidæ*; also called chevin.

Chubb, Thos., deist. ✓, * 29/9 1679 E. Harnham, † 8/2 1746 Salisbury.

Chufu, *v.* Cheops.

Chunsu, Egypt. myth., god of the moon.

Chupatti, Ind. unleavened cake of flour, water, salt.

Chuprassee, Ind. police officer; beadle; one wearg. broad shoulder-belt of office.

Chuquisaca, or Sucré, cap. ⊙ Bolivia, anctly. La Plata; cathed., univ.; 30,000 inh.

Church, 1] the general body of Christians. 2] Any sect or religion. 3] A place of religious meeting.

Church of England, branch of Christ. Ch. established by law in Eng.; reformed und. Henry VIII.; tenets & doctrines set forth in 3 creeds, 39 articles, & liturgy; episcopal; temporal head, the sovereign; 2 archbps., 30 bps., *ca.* 13,200 benefices, *ca.* 23,000 clergy; rev. from endowments & property *ca.* £9,000,000.

Church of Ireland, Prot. Episc. Ch., formerly estabd. by law in Ireland; disestbd. 1870, now govrnd. by Genl. Synod of 2 archbps., 10 bps., 208 clerical & 416 lay representvs.; by Act of 70, revs. were taken away to be app. to secular uses; the remaining Ch. property is vested in Repres. Ch. Body, a board of 60 trustees.

Church of Scotland, Protes. Presbyt. Ch., estabd. by law in Scotland; govd. by Kirk Sessions, Presbyteries, Synods & General Assembly, und. an annually elected Moderator; estabd. 1560, re-estabd. 1688, secession of 270 parish ministers 1843, who formed the Free Church of Scotland.

Church-ale, feast commemtng. dedication of a church.

Church-bug, entom., spec. of wood-louse, *oniscus asellus*.

Church-wort, ✱, *mentha pulegium*.

Church-yard Beetle, entom., *blaps mortisaga*.

Church Rates, rates levied by vestries for maintenance of parish churches of Eng.; payment since 1868 is voluntary, save when required by local Act.

Church, States of the, or Papal States (*q.v.*), the dominions of which the Pope until 1870 was temp. sovereign; now incorporated with kingdom of Italy.

Church, 1] Fred. Edw., Amer. landscp. ●, * 14/5 1826 Hartford.
2] Rich. Will., †, * *ca.* 1815 Lisbon; Dean of St. Paul's 71. ✓.

Churchill, 1] Chas., Eng. satir. poet. ✓, * 1731 Westminster, † 4/11 1764 Boulogne. "Rosciad," "The Ghost." 2] *v.* Marlborough. 3] Arabella, dau. of Sir Winston C., & sis. of 1st dk. of Marlborough, * 1648; mistr. of James, dk. of York, m. Col. C. Godfrey, † 1730. 4] Her bro., Geo., Eng. adm., * 1653; capt. 80, commiss. of Admlty. 99, Adm. of Blue 1702, † 1710. 5] Lord Randolph, 2nd s. of 6th dk. of Marlborough, Eng. statesm., * 1849; M.P. 74, Sec. for India 85–86.

Churchwardens, eccles. parochial offrs. who const. a corporatn. & are elected to collect & appropriate ch. rates, maintain fabrics of churches, &, w. clergy, see to due order of pub. worship; usly. 2 for each parish, appointed at Easter vestry meeting, 1 by parish & 1 by vicar or rector.

Churl's Cress, ✱, *lepidium campestre*. C.'s-head, *centaurea nigra*. C.'s-treacle, *allium sativum*.

Churn-owl, ornith., night-jar or goatsucker, *caprimulgus europæus*. Churn-staff, ✱, *euphorbia heliosccopia*.

Churrus, resin. exudatn. of Ind. hemp, used as intoxicating drug.

Chusan, Chin. island nr. mth. of Yangtsekiang, 20 m. long; 250,000 inh. Chf. ⊙, Tinghae, 40,000 inh.; occupied by Brit. 1840–46, 60–62.

Chutia Nagpur, division of Bengal, Brit. Ind., includng. distrs. of Hazaribagh, Lohardaga, Singbhum, Manbhum & 7 trib. states, the C. N. Mahals; 43,901 s.m., 8,845,000 inh.

Chutnee, Ind. condiment of mango, ginger, garlic, chillies, salt, sugar, vinegar, &c.; many vars.; used with meat, fish, curry, &c.

Chyle, prodct. of digestn. formd. by actn. of pancreatic juice & bile on chyme in the duodenum.

Chyme, product of digestion formd. by actn. of stomach on food.

Cialdini, Enrico, Ital. genl., * 10/8 1811 Castelvetro; served in Port. 83, brig.-genl. in Crimea, genl. of div. 59, deftd. Lamoriciere ✕ Castelfidardo 18/9 60, took Capua, Gaeta, Messina; dk. of Gaeta, dictator in Lower Ital. 61; to Spain with Amadeus 70; Min. to Paris 76–81.

Cibber, 1] Colley, Eng. poet. & ⊙ ✓, * 27/10 1671, † 12/12 1757; poet laureate 30. *Love's Last Shift, Careless Husband, Nonjuror, Apology.* 2] His father, Caius Gabriel, ⊙, * Holstein *ca.* 1635; executed pedestal of Monument, London. 3] Theophilus, s. of 1, * 26/11 1703; actor & ⊙ ✓, drowned off Scot. 58. 4] Susanna Maria, his 2nd wf., *nee* Arne, * *ca.* 1712; joined stage 36, great actress, † 30/1 66.

Cibol, ✱, small var. of onion, *allium ascalonicum.*

Ciborium, receptacle for the Host.

Cicada, entom., gen. of homopterous insects. *C. hæmatodes* fnd. in New Forest; males emit sharp sound by day.

Cicala, a cicada or grasshopper.

Cicely, ✱, the gen. *myrrhis.* Fool's C., *æthusa cynapium.* Rough C., *torilis anthriscus.* Sweet C., *myrrhis odorata.*

Cicero, Marcus Tullius, Rom. statesm., orator & ✍, * 106 B.C. Arpinum, † 43 B.C.; ædile, pretor, consul 63, govr. of Cilicia 54, killed by soldiers nr. Formiæ. ✓ Letters; 56 orations; *De Republica, De Amicitia, De Senectute,* &c.

Cicerone, stranger's guide; conductor; eloquent instructor.

Cicisbeo, compan. & lover of a married woman.

Cicognara, Count Leopold, æsthet. ✓, * 26/11 1767 Ferrara, † 5/3 1834 Venice. "Storia della Scultura."

Cid, Seyd, Lord, name given to Roderigo Diaz, Count de Bivar, the C. Campeador, * *ca.* 1050; served Alph. of Castile, against Mahoms., conqrd. Valencia 94, † there 99. Hero of Sp. epic poem of 13th cent.

Cider, fermented liq. from juice of apples; still or sparkling. Strong C. contains 9·87 per cent. alcohol.

Ci-devant, Fr. = formerly.

Cignani, Carlo, ●, * 15/5 1628 Bologna, † 6/9 1719.

Cilicia, anct. ○ divisn. of Asia Minor; conqrd. by Alexander the Grt.; Rom. prov. 66 B.C.; part of Turk. prov. of Anatolia since 15th cent.

Cimabue, Giov., ●, * *ca.* 1240 Florence, † there *ca.* 1300; fnder. of new Ital. school.

Cimarosa, Dom., ♪. * 17/12 1749 Aversa, † 11/1 1801 Venice. ✓ 70 operas, &c., *Matrimonio Segreto.*

Cimbri, or Kimbri, anct. Celtic tribe inhabiting Jutland; invaded Gaul & Sp. 2nd cent. B.C., deftd. Roms. 113, 109, 105 B.C., deftd. by Marius nr. Verona 101 B.C.

Cimmerii, anct. tribe inhabiting Crimea. Also a myth. tribe inhbtg. mist & darkness. Cimmerian Bosphorus = strait of Kaffa.

Cimon, 1] the elder, father of Miltiades. 2], the younger, son of Miltiades, * *ca.* 502 B.C.; pupil of Aristides, destroyed Pers. fleet off Pamphylia 466, exiled from Athens 461, recalled 456, † 449 in Cyprus.

Cinchona, ✱, gen. of trees of S. Amer., Peruvian bark, Jesuit's bark; many specs., esp. *C. calisaya, C. condaminea, C. succirubra*; contain quinine & cinchonine; used in ✗ as tonic & febrifuge.

Cinchonine, ☾, $C_{20}H_{24}N_2O$, an organic alkaloid from Peruvian bark, crysts. in sm. transp. 4-sided prisms, melts at 165°; forms cryst. salts with acids.

Cincinnati, Order of, association of Amer. offrs. after close of War of Independence.

Cincinnati, ⊙ *Ohio, U.S.A.*, fnded. 1788; pork, observ., 270,000 inh.

Cincinnatus, Lucius Quintius, Rom. genl., statesm., & patr., * *ca.* 519 B.C., † *ca.* 439 B.C.; chosen dictator against the Æqui; deftd. them; at once returned to his farm.

Cineraria, ♃, sub-genus of *senecio;* many vars. cultivd. in Eng. gardens.

Cinna, L. Cornel., Rom. patric.; consul 87 B.C., joined Marius, murd. by soldiers 84.

Cinnabar, 1] ⊕, rhombohedral min., native mercuric sulphide; red, brownish, grey. 2] ♃ & ♃, red juice of *calamus rotang,* dragon's blood.

Cinnabar Moth, entom., *callimorpha jacobeæ.*

Cinnamon, ♃, *cinnamomum,* gen. of *lauraceæ;* the bark, esp. of *C. zeylanicum* & *C. nitidum,* is aromatic & used in cookery, ♃, &c. Other plts. of the gen. yield cassia-bark & culilawan-bark.

Cinnamon-stone, ⊕, var. of garnet, Ceylon.

Cinquefoil, ♃, gen. *potentilla;* five-finger. March C. is *comarum palustre.*

Cinq-Mars, Henri, marq. de, favrt. of Louis XIII., * 1620, exec. for conspir. agst. Richelieu 12/9 42.

Cinque Ports, 5 ports, origlly. Dover, Sandwich, Hythe, Romney, Hastings; Rye, Winchelsea, Seaford have since been added. The ports were incorprtd., & bound to supply men & ships for the king's service. Earliest known charter granted by Will. I. Office of Ld. Warden of the C. P. is a sinecure.

Cinquecento, Ital. = 500; but used to signify 16th cent. revival of art in Italy, correspndg. to Fr. *renaissance.*

Cintra, Port. ⊙, Estremadura; palace; 4,600 inh. Convention 22/8 1808, Fr. agreed to evacuate Port.

Cipriani, Giov. Batt., ⊕ & designer, * 1727 Florence, † 14/12 1785 Chelsea; R.A.

Circa, *of a date, Lat.* = *about.* Genlly. contracted to *ca.* or c.

Circars, Northern, tract on W. coast of B. of Bengal, in prov. Madras, Ind.; Brit. possessn. 1828; *ca.* 17,000 s.m.

Circassia, country of W. Asia, forming N.W. divisn. of the Caucasus; finally conquered by Russ 1864; women famed for beauty.

Circe, Grk. myth., an enchantress of Ænea, who turned the companions of Ulysses into swine. In ♃, an asteroid discovd. 6/4 1855 by Chacornac.

Circenses, the sports of the Roman circus.

Circle, geom., plane figure bounded by a curved line, the circumference, which is everywhere equidistant from a point within, called the centre. Circumf. of every C. divid. into 360 equal prts. or degrees (°), each of 60 minutes (′), each of 60 seconds (″). Areas of circles are to one another as squares of their diameters. The ratio of the diam. to the circumf. is as 113 to 355 nearly, or as 1 to 3·14159.....

Circuit, the period. progress of a judge to administr. justice. In Eng. & Wales there are 7 C.s, in Scot. 3, in Ireld. 6, each occupying a certain district.

Circulating Decimal, or Recurring Decimal, a fraction which cannot be exactly expressed as a decimal, the attempt leading to an endless repetn. of a series of figs.; *e.g.* $\frac{1}{7}$ = ·142857142857....., This is usually denoted by ·142857.

Circulation, biol., natrl. motn. of blood in a living animal, or of sap or other fluids in a plant. The circulation of the blood in higher animals is from the left ventricle

uniting into the vena cava, which open into right auricle. Thence blood goes to right ventricle, whence it is sent through pulmonary arteries to the lungs to be purified, returning through pulmonary veins into left auricle & left ventricle, ready for a new circulation. Discovd. 1628 by William Harvey.

Circumcision, the removal of the prepuce for ✝ or relig. reasons; universal among Jews, Mahoms., anct. Egypts., &c.

Cisalpine, with ref. to Rome, on this side (S.) of the Alps; opposed to Transalpine, wh. means N. of the Alps.

Cisalpine Republic, part of Upper Ital., forming a separ. state 1797–1802, when it became the Ital. Repub.

Cisleithan, *i.e.*, on the Austr. side of Leitha ⚓.

Cisneros, *v.* Ximenez de C.

Cispadane, on the Rom. side of the Po ⚓. The C. Repub., fnded. by Bonaparte 20/9 1796, merged in Cisalp. Repub. 1797.

Cisrhenish, on this side of the Rhine.

Cissey, Ern. Louis de, Fr. genl., • 1810 Paris; genl. of div. 63, prisnr. at Metz 70, oppd. Commune 71, Min. of War 71–73, 74–76, † 16/6 82.

Cissoid, geom., curve invntd. by Diocles; like that of ivy-leaf.

Cisterciana, order of Bened. monks & nuns, founded 1098 by Robt., Abbot of Molesme, at Citeaux; also called Bernardines or White Monks.

Citadel, a small & very strong ✠ within a larger.

Cité, Fr. = city; a tenement-house or collection of such houses.

Cithara, ♫, anct. var. of lyre; orig. of mod. zither & guitar.

Cito, Lat. = quickly.

Citoyen, Fr. = citizen; during the Fr. Revol. displaced the title *Monsieur*, Mr. or sir, &c.

Citric Acid, ♃, $C_6H_8O_7$, a tetratomic tribasic acid occurring in juice of fruits, as lemon, currant; white acid crysts. soluble in water; forms salts with alkalies called citrates. In ℞, refrigerant.

Citron, ♃, *citrus medica*, yields oil of citron & oil of cedra.

Citronella, ♃, a grass of Ceylon, *andropogon citratum*; yields essent. oil, used as perfume.

Citrus, ♃, gen. includg. citron; orange, *C. aurantium*; lemon, *C. limonum*; lime, *C. limetta*; shaddock, *C. decumana*; Seville orange, *C. bigaradia*, &c.

City, in Eng., an episc. or formerly episc. ⊂. In U.S.A., any ⊙ with charter of incorporation.

Ciudad, Span. = city.

Ciudad Rodrigo, Sp. ⊙ Salamanca; 5,800 inh.; ⚔ 19/1 1812, Fr. deftd.

Civet, zool., the civet-cat, *viverra civetta*, N. Afr., & *viverra rasse*, Java. In a pouch nr. the anus it secretes a resinous subst., civet, w. odour of musk, used as perfume.

Civic Crown, of elm, beech or oak leaves, the Rom. recompense for the life of a citizen saved.

Civil List, in Eng., expenditure for maintaining roy. household & for kindred purposes. It is paid by Parlt. in pursuance of a kind of bargain entered upon at the sov.'s accession, by which revs. of Crown lands were surrendered in consideration of fixed ann. payment. Amount, 1886, £409,072.

Civil Wars, in Eng., W. of Roses 1455–22/8 85, W. of Rebellion 23/10 1642–14/6 45. In Amer., 12/4 1861–5/6 65.

Clackmannan, co. of Scot. on Forth; 48 s.m., 25,800 inh.; with Kinross rets. 1 M.P. Chf. ⊙, C.

Cladel, Leon, Fr. rom. ✓, • 13/3 1835 Montauban.

Clairault, Alexis Claude, math. & ✈ ✓, • 7/5 1713 Paris, † 17/5 65 Paris.

Clairette, red liqueur from cherries.

Clairvoyance, faculty of seeg.

mentally things concealed from sight, esp. under influence of mesmerism.

Clam, zool., name of bivalve shells of molluscous gen. *tridacna*, esp. of *T. gigas*; the anim. is edible.

Clam-Gallas, Ed., Count v., Aust. genl., • 14/3 1804 Prague; genl. of cav. at ✕ Solferino, deftd. 66, tried & acquitted.

Clan, a tribe or number of fams. with a common surname. The legal authority of Scot. chfs. was abolished 1747.

Clan-na-Gael, an Irish-Amer. revol. socy., employing dynamite & assassination to prom. its objects.

Clapham, parlt. bor. of Surrey; 71,000 inh.; rets. 1 M.P.

Clapperton, Hugh, travlr. & ✓, • 1788 Annan; to Soudan & Niger ⚓, commander in navy, † 13/4 1827 Tchagary, nr. Sarcatoo.

Claque, body of people, *claqueurs*, paid to applaud in Fr. theatres.

Clare, marit. co. of Munster; 1,293 s.m., 141,200 inh.; rets. 2 M.P.s, E. & W. Chf. ⊙, Ennis.

Clare, John, poet. ✓, • 13/7 1793 Helpstone, † 20/5 1864 Northampton. "Village Minstrel," 21.

Clare, John Fitzgibbon, 1st earl of, ♁, • 1749; Att.-Genl. 84, Ld. Chanc. 89, peer 89, earl 95, † 1802 Dublin.

Clare, Order of St., order of Nuns, fnded. at Assisi *ca.* 1212 by St. Clare. Also called Minoresses.

Clare Island, at mth. of Clew Bay, co. Mayo, Ireland, 5 × 2 m.; lighthouse 487 ft. above sea.

Clarence, Duke of, 1] George, bro. of Edw. IV., • 1449; quarreld. with king, executed 1478. 2] Thos., 2nd s. of Henry IV., • 1389, † 1421 at ✕ Beaugé. 3] William Henry, became William IV. of Eng.

Clarencieux King of Arms, officer of Herald's Coll.; jurisdictn. limited to S. of the Trent.

Clarendon, Constitutions of, ordinances agreed to 1164 at C., Wilts, betw. Henry II. & his nobles, for restraining clergy & Pope.

Clarendon, 1] Edward Hyde, earl of, Eng. statesm. & ♛ ✓, • 18/2 1609 Dinton; with Chas. II. in exile, Chanc. of Eng., banshd. for treason 67, † 9/12 74 Rouen. "History of the Rebellion." 2] George William Fredk. Villiers, earl of, Eng. statesm., • 12/1 1800; For. Min. 53–58, 65–66, 68, † 27/6 70 London.

Claret, Eng. name for any of the Fr. red wines of Bordeaux; contains 16–20 % of proof spirit.

Claretie, Jules, Fr. rom., ♛, & ✓, • 3/12 1840 Limoges.

Claribel, pseud. of Mrs. Chas. Bernard, ♥ composer.

Clarionet, or Clarinet, wooden reed instrument, invented *ca.* 1690 by J. C. Denner, Nuremberg.

Clark, 1] Willm. Tierney, ⊕, • 1783, pupil of Rennie, † 1852; built susp. bridge at Pesth. 2] Lewis Gaylord, Amer. journ. & music. ✓, • 1810; edtr. of *Knickerbocker* 34. 3] Willm. Geo., philol. & Shakespearian edtr., • 1821, † 78. 4] Alvan, ✕ & optical constructor, • 8/3 1804 Ashfield, Mass.; discovr. of many stars. 5] Rev. James, philol. & ✝, • 1836 Yorkshire; Brit. chaplain at Memel 69–74.

Clarke, 1] Adam, Wesley. ✝ & Orient., • 1762 Moybeg, † 26/8 1832 London. ✓ "Commentary" 1810–26. 2] Samuel, ✝ & ⚓, • 1675 Norwich, † 1729 London. ✓. 3] Jacq. Guill., Fr. marsh. of Ir. extractn., • 17/10 1765; Min. of War 1807–14, Duc de Feltre, † 28/10 18. 4] Edwd. Dan., travlr., ⊕, Oriental. & nat. ⚓ ✓, • 5/6 1769 Willingdon, † 9/3 1822 London. 5] Chas. Mansfield, Sir, ♁, • 1782, † 1857 Brighton. ✓ "Diseases of Females." 6] Jas., Sir, ♁, • 14/12 1788 Cullen, † 29/6 1870. ✓. 7] Jeremiah, ♥, • *ca.* 1670, † by suic. 1707; organ. of St. Paul's. 8] John, • 1609, † 76; one of finders. of Rhode Island. 9] John, ♥, • 1770 Glo'ster, † 1836 Hereford; composer. 10] Mary Cowden, *née* Novello, • 1809; ✓

"Concordance to Shakespeare" 45, "World-Noted Women," &c. 11] Her hus., Chas. Cowden, ✓, • 15/12 1787 Enfield, † 13/3 1877; "Tales from Chaucer" 33, &c. 12] Hyde, Orient., philol. & misc. ✓, • 1815 London; "English Dictionary" 55, "Comparative Philology" 58, &c. 13] John Erskine, • 1827; vicar of Battersea 72. ✓. 14] John S., Amer. com. ☾, • 1835 Maryland; joined stage 52, to Eng. 67–70 & afterwards. 15] Edward, ⚒ & polit., • 1841; Q.C. 80, M.P. 80, Sol.-Genl. 86.

Clarkson, 1] Thos., philanth., • 28/3 1760 Wisbeach, † 26/9 1846 Suffolk; opposed slavery. ✓. Stat. at Wisbeach 11/11 81. 2] David, Nonconf. †, • 1622 Bradford, † 86. ✓.

Clary, ❦. Common C. is *salvia sclarea*; meadow C. is *S. pratensis*; wild Eng. or vervain C. is *S. verbenaca*.

Claude, Jean, Fr. Prot. ✓, • 1619 Sauvetat, † 87.

Claude of Lorraine (C. Gelee), landscp. ●, • 1600 nr. Mirecourt, † 21/11 82 Rome; idealist.

Claudianus, Claudius, last of Lat. class. poets, • ca. 363 Alexandria, † ca. 408.

Claudius, 1] Appius Cæcus, Rom. cons. of 4th cent. B.C.; built Appian Aqueduct & fnded. Appian Way. ✓. 2] Appius Crassus, 5th cent. B.C., Rom. decemvir, insultd. Virginia; † by suic. 449 B.C.

Claudius, 2 emps. of Rome. 1] Tiber. C. Cæsar, bro. of Tiberius, • 10 B.C. Lyons; succd. Caligula 41, to Brit. 43; † 54, poisoned by Agrippina. 2] M. Aurel., • ca. 230; succd. Gallienus 268; † 270 Sirmium.

Claughton, 1] Piers Calveley, †, • 1814; bp. of St. Helena 59–62, of Colombo 62–70, archdeacon of London 70, canon of St. Paul's 71, Chapl.-Gen. of Forces; † 11/8 84. ✓. 2] His bro., Thos. Legh, †, • 6/11 1808; professor of poetry at Oxford 52–57, bp. of Rochester 67, of St. Albans 77.

Claus, Santa, St. Nicholas, patr. of good children.

Claus, K., zool., • 2/1 1835 Cassel; prof. at Vienna Univ. ✓.

Clausius, Rud. Jul. Em., nat. ⚗, • 2/1 1822 Koslin; prof. at Bonn, one of fndrs. of ⚗ theory of heat, † 24/8 88.

Claverhouse, v. Graham, John.

Clavichord, ♨, stringed instrumt. with keys, like small sq. piano; used till middle of 18th cent.

Clavicle, anat., the collar-bone.

Clavigero, Francesco Saverio, Mex. Jesuit & ✍ ✓, • ca. 1720 Vera Cruz, † ca. 98 near Rome.

Clavijo y Fajardo, Jose, Sp. schol., • 1730, † 1806; duel with Beaumarchais (Goethe's *Clavigo*).

Clavus, a disease of rye-grains, produced by parasit. fungus, *claviceps purpurea*; ergot of rye.

Clay, ⊖, hydrous silicate of aluminium, gently. w. sand, iron oxides, &c. The purest is Kaolin.

Clay-slate, ⚒, argillaceous schist; common roofing slate.

Clay, 1] Henry, Amer. statesm., • 12/4 1774 Virginia; leader of Whigs, author of Missouri Compromise, which restricted slavery; † 29/6 1852 Washington. 2] His neph., Cassius M., Amer. polit., • 1810; opposed slavery, Min. to Russ. 62–69.

Clays, P. Jean, Belg. ♁ ●, • 1819 Bruges.

Clayton, 1] Robert, bishop of Clogher, • 1695 Dublin, † 26/2 1758; ✓ Arian writings. 2] John Middleton, Amer. statesm., • 1773 Sussex, Del.; negotiated Clayton-Bulwer Treaty 50; † 1856.

Cleanthes, Stoic ⚗ ✓, • ca. 300 B.C. Assos, † ca. 220.

Clear, Cape, most S. pt. of Ireland, on C. Island, off coast of Cork; lighthouse 450 ft. above sea.

Clearing-house, v. Bankers' Clearing-house. The Railway C.-h. fnded. 1842 for settlemt. of accounts between railway companies.

Clearstory, or Clerestory, ▲, the topmost row of windows over an arcade in a church, esp. over the triforium.

Cleasby, Anthony, Eng. ⚖, * 1805; Q.C. 61, Baron of Exchequer 68, kntd. 9/12 68, † 6/10 79.

Cleaveland, or Clieveland, John, metaph. poet. /, * 1613 Loughborough, † 59.

Cleavers, ✿, *galium aparine*.

Clef, 𝄞, sign at commencemt. of a stave to indicate the pitch. Three C.s are now used, G, treble; C, tenor; & F, bass.

Cleland, Wm., poet. /, * *ca.* 1661, † 1689. "Highland Host" 78.

Clematis, ✿, Traveller's Joy or Virgin's Bower. Common C., *C. vitalba*, wild in S. Eng.

Clémence, Isaure, Fr. poetess, 14th or 15th cent.

Clémenceau, Eug., Fr. statesm., * 28/9 1841 Vendée, ✗; maire und. the Commune, Rad. leader.

Clemens, Samuel Langhorne ("Mark Twain"), Amer. humorist, * 1835. "Innocents Abroad."

Clemens of Alexandria, Titus Flavius, Father of Christ. Ch. in 2nd & 3rd cents.; teacher of Origen. /.

Clemens of Rome, St., Father of Christ. Ch. in 1st cent.; 2nd or 3rd bp. of Rome. /.

Clement, name of 14 Popes. 1] c. Clemens of Rome. 2] II., 1047–48. 3] III., 1188–91. 4] IV., 1265–71. 5] V., 1305–16. 6] VI., 1342–52. 7] VII., 1523–34. 8] VIII., 1592–1605. 9] IX., 1667–70. 10] X., 1670–76. 11] XI., 1700–21. 12] XII., 1730–40. 13] XIII., 1758–69. 14] XIV., 1769–74; abolishd. Jesuits. Three others were Antipopes.

Clement, 1] Jacq., * 1564 near Rheims; murd. Henry III. of Fr. 31/7 89, killed by courtiers. 2] Joseph, ⚙ & invntr., * 1779 Westmoreland, † 1844; to London 1813, pup. of Bramah, invntd. slide-lathe, iron planing m., headless tap, &c.

Clementi, Muzio, 𝄞 & pianist, * 1752 Rome, † 10/3 1832 Evesham.

Clementines, 1] Decretals publd. 1308. 2] Adherents of the schism. Antipope Clement 1378–1409

Clennell, Luke, ✎ & wood eng., * 1781 Wigham, † 1840 Newcastle.

Cleobulus, one of 7 Grk. sages, 6th cent. B.C.; * Lindus, Rhodes.

Cleombrotus I., k. of Sparta; mort. wounded ⚔ Leuctra 371 B.C.

Cleomenes, name of sev. kings of Sparta.

Cleon, Athen. statesm. & genl., orig. a tanner, † 422 B.C. ⚔ Amphipolis.

Cleopatra, * *ca.* 69 B.C., dau. of Ptolemy XI. (Auletes), k. of Egypt; succeed. w. her brother, Ptolemy, 52; mistr. of Cæsar & of Antony; † 30 B.C. by suicide. Her dau. C. (by Antony) m. Juba, k. of Mauritania.

Clepsydra, anct. instrmt. for measuring time by flow of water from a vessel w. an orifice.

Clerc, Le, *v.* Le Clerc.

Clerk, 1] John, of Eldin, † 1812; the invntr. 1779 of the naval manœuvre of breakg. a hostile line. / "Essay on Naval Tactics" 1782. 2] John, Lord, of Eldin, his son, ⚖, * 1757, † 1832 Edinburgh. 3] George Russell, Ind. Administr., * 1801; Govr. of Bombay, kntd. 48, Under-Sec. for Ind. 58, member of Ind. Counc. 61.

Clerke, George, Eng. ⚓, * 1741, comp. & successor of Cook, † 79.

Clermont-Ferrand, Fr. ⊙, Puy-de-Dôme; 48,500 inh.; Council 18–20/11 1095.

Clermont-Tonnère, Stanisl., Count, * 1747; murdrd. by mob 10/8 92 Paris. /.

Clery, or O'Cleary, Michael, Irish Franciscan ✠ /, * *ca.* 1575 near Ballyshannon, † *ca.* 1645.

Cleveland, distr. of N.E. Yorkshire; ironstone.

Cleveland, 1] S. Grover, Amer. statesm., * 1837; Mayor of Buffalo 81, Govr. of New York 82, President of U.S.A. 85. 2] Or Cleaveland (*q.v.*). 3] Barbara Villiers, duchess of, * 1640, m. Roger

Palmer; became mistr. of Chas. II. 59, created Lady Castlemaine 62, duchess 70, m. Robert (Beau) Fielding 1705, † 09.

Cliché, an impression, copy; esp. in metal of a wood-cut or forme of type.

Clifford, 1] Geo., 3rd earl of Cumberland, ⚓ adventurer, * 1558, † 1605; fought against Sp. Armada 1588, took Porto Rico 98. 2] His dau., Lady Anne, * 1589, † 1675, ✓ "Autobiography." 3] Thos., statesm., * 1630, † 73; membr. of Cabal Ministr., created peer 72 as Ld. C. of Chudleigh. 4] Hon. Wm. J. H., Rom. Cath. †, * 24/12 1823 Irnham; bp. of Clifton 15/2 57.

Clifton, suburb of Bristol; suspension bridge 702 ft. span, 272 ft. above low water, built 1832–64.

Climacterics, any ages that are multiples of 7, but esp. the ages 21, 35, 49 & 63; last is called the Grand C.

Climbing Perch, ichth., Ind. fish, *anabas scandens*.

Clinton, 1] Henry, Brit. genl., * 1738; commd. in N. Amer. 75, recalled & censured 81, govr. of Limerick, of Gibraltar, † 95. 2] Henry Fynes, class. schol., * 14/1 1781 Gamston; M.P. 1806, † 24/10 1852. ✓. 3] De Witt, * 1769 Little Britain, New York, † 1828; sev. times governor of New York. 4] Geo., Amer. statesm., * 1739 New York, † 1812 Washington; Vice-Presdt. 1804, 1808. 5] Sir Henry, Brit. genl., * cn. 1770, † 1830 Hampshire.

Clio, class. myth., 1] muse of history. 2] Sea-nymph, sister of Beroe.

Clipper, vessel built for fast sailing; ship or schooner rigged.

Clissold, Augustus, Rev., ✓ on Swedenborgian †, * 1797, † 30/10 82.

Clive, 1] Robert, Lord, statesm. & ⚔, founder of Brit. Emp. in Ind., * 29/9 1725 Styche; to Ind. 44, entered ⚔ service 47, govr. of Fort St. David 53, deftd. Nawab at ⚔ Plassey 23/6 57, governor of Bengal, created Irish peer, presdt. of Bengal 64–67, acquitted of charge of misconduct 73, M.P., † by suic. 22/11 74 London. 2] Catherine, *née* Rafter, Irish com. ☉, * 1711, retired from stage 69, † 85. 3] Mrs. Archer, poet. & nov. ✓, * 1801, † 18/7 73. "Paul Ferrol," &c.

Cloacæ, sewers, arched drains beneath streets of anct. Rom. cities. Rom. Cloaca Maxima, begun 588 B.C., still used.

Clocks & Watches, v. Horology.

Clodius, Rom. conspirator; tribune 58 B.C., expelled Cicero, † by friends of Milo 52.

Clodt - Jürgensburg, Mich. Petrov, Baron, genre ☻, * 1839 Petersburg.

Cloncurry, Valentine B. Lawless, Lord, * 1773 Dublin, † 1853; imprisoned 1799–1801. ✓.

Clontarf, ⚔ 23/4 1014; victory & death of Brian Boru.

Clootz, Jean Bapt. (Anacharsis C.), Pruss. baron implicated in Fr. revolutn., * 24/6 1755 nr. Cleves, † by guill. 24/3 94 Paris. ✓.

Close, Francis, †, * 1797; dean of Carlisle 56–81, † 17/12 82.

Close-time, in Grt. Brit.: for *wild birds*, 2/3 - 31/7; *deep-sea oysters* 15/6–4/8, others 14/5 - 4/8, other rules apply to Ireland; *partridge*, Eng., Scot. 2/2–31/8, Ireland 11/1–19/9; *pheasant*, Eng., Scot., Ireland, 2/2–30/9; *ptarmigan*, Scot. 11/12–11/8, Ireland. 11/12–19/8; *hare*, Ireland 21/4–11/8; *grouse*, 11/12–11/8; *black game*, 11/12–19/8, except Somerset, Devon, New Forest, 11/12–31/8; *salmon*, nets varies from 15/8–1/2 to 1/11–15/5, rods 2/10–31/1 to 1/12–15/5 in Eng., in Scot. & Ireland also varies; v. "Whitaker's Almanack."

Closter-Seven, Convention of, 8/9 1757; agreement for retreat of Cumberland.

Clotaire, 1] I., k. of Soissons, s. of Clovis; suc. 511, became k. of the Franks 58, † 62. 2] II., k. of the Franks 613, † 28. Two others were nom. kgs. of Austrasia.

Clothes-moth, or Woollen Moth, entom., name of specs. of gen. *tinea*, larvæ of which destroy wool, &c.

Clotho, class. myth., one of the Fates; she held the distaff.

Cloud, mass of visible vapour suspended in air. Classified as: *cumulus*, solid & round; *stratus*, horizontal layers; *cirrus*, curly & feathery; *nimbus*, rain-cloud. Height varies from 100 ft. to 6 m.

Cloudberry, ♂, a dwarf bramble, *rubus chamæmorus*.

Clough, Arthur Hugh, Eng. poet. /, • 1819 Liverpool, † 1861 Florence. "The Bothie" 48, "Dipsychus." Remains publd. 69.

Clove, ♂, *caryophyllus aromaticus*; its dried aromat. flower-bud.

Clove Bark, bark of *cinnamomum culilawan*.

Clove Cassia, bark of *dicypellium caryophyllatum*.

Clove Nutmeg, fruit of *agathophyllum aromaticum*; Madagascar.

Clove Pink, or Clove Gillyflower, ♂, any of the vars. of *dianthus caryophyllus*, w. aromat. smell & uniform colour.

Clover, ♂, a trefoil; red C., *trifolium pratense*; Dutch C., *T. repens*; Fr. or crimson C., *T. incarnatum*; perennial C. or cow-grass, *T. medium*.

Clovio, Julio (Macedo), miniat. ⊙, • 1498 Grizane, † 1578 Rome.

Clovis, 1] Clodoveus, or Chlodwig, s. of Childeric, • 467, k. of Salian Franks 81, deftd. Romn., k. of Soissons, k. of the Franks, m. 93 Clotilda, defeated Alemanni ⚔ Tolbiac 96, became Christn., deftd. Visigoths ⚔ Vouilli 507, † 511 Paris. 2] II., k. of Neustria & Burgundy 638–56. 3] III., k. of Neustria & Burgundy, † 695.

Clowes, 1] Willm., surg., • *ca.* 1536; surg. to Q. Eliz., † *ca.* 1603. / "Morbus Gallicus" 79. 2] His s., Willm., • *ca.* 1565; surg. to Jam. I. & Chas. I., † *ca.* 1640. 3] John, Swedenborg. ✝, • 1743 Manchester, † 1831. /.

Clown's Heal-all, or Woundwort, ♂, *stachys palustris*. Clown's treacle, garlic. Clown's mustard, *iberis amara*.

Cloyne, Irish ⊙, Cork; bpric. united to Cork 1835; 1,200 inh.

Clubs, chf. London C.s fnded.: Arthur's 1765, Athenæum 1824, Boodle's 1762, Brooks's 1764, Carlton 1832, Cobden 1866, Cocoa-tree 1746, Conservative 1840, Devonshire 1875, E. Ind. United Service 1849, Farmers' 1843, Garrick 1831, Guards' 1813, Gun Club 1861, Jun. Army & Navy 1869, Jun. Carlton 1864, Kennel 1874, Naval & Military 1862, New 1883, Oriental 1824, Oxford & Cambridge 1830, Portland 1816, Reform 1834, R. Lond. Yacht 1838, R. Thames Yacht 1823, St. James's 1857, St. Stephen's 1870, Savage 1857, Smithfield Cattle 1798, Travellers' 1819, Turf 1868, United Service 1815, White's 1730, Windham 1828.

Club-grass, ♂, 1] the gen. *scirpus*. 2] The gen. *corynephorus*.

Club-moss, or Snake-moss, ♂, the gen. *lycopodium*, & esp. *L. clavatum*.

Club-rush, ♂, *typha latifolia*; or the gen. *scirpus*, & esp. *scirpus lacustris*.

Cluse, La, Fr. ⊙ on Swiss frontier; ⚔ 1/2 1871.

Cluseret, Gust. P., communist, • 13/6 1823 Paris; served Garibaldi & U.S., organisd. rising at Lyons 70, served. Commune 71, escapd.

Clusia, ♂, balsam-tree, trop. Amer.; many specs., some parasitic.

Clutterbuck, Henry, ✝, • 1767 Marazion, † 1857 London. /.

Cluverius (Cluwer), Philip, ⊙ & Ψ /, • 1580 Dantzic, † 1623 Leyden.

Clyde, Lord, v. Campbell.

Clyster, ✝, enema.

Clytemnestra, w. & murderess of Agamemnon, after Trojan war.

Clytie, Grk. myth., water-nymph who loved Apollo & was changed to a sunflower.

C.M., 1] centimetre or centimetres. 2] Master of Surgery in Scot. universities.

C.M.G., Companion of the Order of St. Michael & St. George.

Cneph, Egypt. myth., god of creation.

Cnidus, anct. ⊙, Caria, As. Min.; temple of Venus, & statue by Praxiteles; now ruins.

Cnopwort, ♥, *centaurea nigra.*

Co, ♃, symbol of cobalt.

Coaches, introd. to Eng. from Holland 1564; for hire 1625; stage C.s *ca.* 1670.

Coal, ⊕, carbonaceous mineral subst., consisting of compressed & ♃ altered veget. matter, chiefly lycopodiaceous trees; occurs ⚒ as a stratified rock interbedded with clays, &c. Best C. belongs to carboniferous series of palæozoic syst., but there is much of the neozoic age. In Grt. Brit. & Ireland in 1870, 110 million tons were raised.

Coal-fish, ichth., spec. of cod in N. & Mediterr. Seas.

Coal-gas, mixture of gases produced by destructive distillation of coal; used for lighting, &c.; consists of hydrogen 40–50 pts., carbon-monoxide 5, marsh-gas 40, ethene 4–8, w. acetylene, butylene, &c., & aromat. hydrocarbons.

Coal-head, Coal-tit. Coal-mouse, ornith., *parus ater.*

Coal Measures, ⚒, strata of coal with the attendant rocks; uppr. pt. of carboniferous formatn.

Coal-tar, tar produced in destructive distillatn. of bituminous coal; used in mnf. of printing ink, asphalte pavements, &c. Coal-tar colours are dyes from aniline, &c.

Coastguard, organisation of seamen who were origlly. intend. to prevent smuggling; now for coast defence; composed of old men-of-war's men; divided into 11 districts, each under a capt. R.N.; whole under a Controller-Genl.; serve on short cruise every year; liable for service whenever needed; 4,000 men, ann. charge *ca.* £450,000.

Coat-of-arms, heraldic device originally borne on a surcoat.

Coati, coatimondi, an Amer. mammal, *nasua narica.*

Cobalt, ♃, metallic element, atomic weight 59, symb. Co. First obtained impure by Brandt 1733; occurs in meteoric iron; no nat. Co known, but many ores. Coblue is a pigment prepared by adding an alkaline carbonate to a solution of pure alum mixed with pure Co salt: the precipitate is washed & ignited.

Cobb, 1] James, ✆ ✓, • 13/2 1756 London, + 2/6 1818; sec. of E. Ind. Co. 2] Saml., Eng. poet. ✓, + 1713.

Cobbe, Frances Power, ✓, • 4 12 1822. "Cities of the Past" 64, "Darwinism in Morals" 72, &c.

Cobbett, Willm., polit. & polit. ✓, • 9/3 1766 Farnham; to Amer. 1794, attacked Priestley, returned, edited *Political Register* 1802–35, fined & imprisoned 10, to Amer. 17, returned 19, M.P. 32, + 16/6 35. "English Grammar."

Cobbold, 1] Thos. Spencer, ✓, ✉, ⚒, & helminthologist, • 20 5 1828 Ipswich, + 20 3 86, ✓. 2] Rd., clergym. & misc. ✓, • 1797, + 1876. "Margaret Catchpole" 45.

Cobden, Richd., Eng. statesm., • 3 6 1804 Dunford, + 2/4 1865 London; apostle of Free Trade, assisted in forming Anti-Corn Law League 38, M.P. 41–57, 59–65, arranged commercial treaty w. Fr. 60. ✓. The C. Club is an association for spread of Free Trade.

Coblentz, ⊕ ⊖, Rhen. Pruss.; church 9th cent.; anciently Confluentes; 38,000 inh.

Cob-nut, var. of cultivd. hazel, *corylus avellana,* var. *grandis.*

Cobra, or Cobra di Capello, zool., spec. of snake, *naja tripudians,* of fam. *riperidæ;* spectacle-snake; has dilatable hood-like neck, 2–6 ft. long; India; venomous.

Coburg, one of cap. ⊕s of Saxe-C.-Gotha; palace; 16,500 inh.

Coca, ♥ & pharm., dried leaves

of *erythroxylon coca*, a wild shrub of Peru; gives the power of enduring fatigue. The alkaloid cocaine, $C_{17}H_{21}NO_4$, crystls. in white prisms, soluble in ether; produces local anæsthesia.

Coccius, Ern. Ad., opt. surg., * 19/9 1825 Knauthain; prof. at Leipzig 58, great operator.

Cocculus Indicus, berry from *anamirta cocculus* of E. Indies; poison.

Coccyx, anat., lowermost 3, 4, or 5 divided terminal vertebræ.

Cochin, feudat. State of Brit. Ind., prov. Madras, on Malabar coast; forests; 1,360 s.m., 630,000 inh.; Brit. trib. since 1791. Chf. port, C., formerly occupd. by Port.

Cochin-China, prov. of kingdom of Annam, on E. of Indo-Chin. penin; S. pt. ceded to Fr. 1862 & 67. Area of Fr. C.-C. 27,556 s.m., 1,600,000 inh.; cap. ©, Saigon.

Cochineal, entom., the cochineal insect, *coccus cacti*, which lives on *cactus opuntia*, Cent. Amer., Sp., Alger. The dried female yields a scarlet dye; use discovered 1518.

Cochlea, anything spiral. In anat., the anterior division of the internal ear.

Cochran, William, Scot. ●, * 1738 Strathearn, † 85 Glasgow.

Cochrane, 1] Thos., Lord Dundonald, ⚓, * 14/12 1775; distingd. as capt. in Brit. service, kntd. 1809, M.P., convctd. of having orignld. a false report 14, servd. Chili 18, cut out *Esmeralda* 20, served Greece 27–28, restored to his naval rank 30, suc. to peerage 31, vice-adml. 41, rear-adml. 54, † 31/10 60 Kensington. ✓. **2]** John Dundas, ⚓ offr. & travlr., * 1770, † 1825 in Colombia. ✓ "Pedestrian Journey" 20. **3]** Sir Alex. F. T., Brit. adml., * 1758; capt. 82, deftd. Fr. 1806, adml. 19, † 32 Paris. **4]** Alex. D. R. W. Baillie-, polit., & misc. ✓, * 1816.

Cock. C. of the Wood, capercailzie; blackcock, *tetrao tetrix*; domestic C., *gallus domesticus*.

Cockatoo, ornith., any spec. of sub-fam. *cacatuinæ*, of fam. *psittacidæ*. Grt. sulphur-crested C., *cacatua gallerita*, Austral., & E. Islands; imitative powers slight.

Cockatrice, fab. monster supposed to be hatched by serpent from cock's egg; the basilisk.

Cockayne, fabulous home of luxury & idleness; London, Paris.

Cockburn, 1] Alex. Jas. Edm., Eng. ⚖, * 1805 London, † 20/11 80; Chf. Just. of Q.'s Bench 59–80. **2]** Catherine, *nee* Trotter, ♀ & controv. ✓, * 1679 Lond., † 1749. **3]** Sir Geo., Brit. adml., * 1772 Lond., conveyed Napol. to St. Helena, † 53 Leamington. **4]** Henry, Lord, Scot. ⚖, * 20/10 1779; Sol.-Genl. 1830, judge 34, † 26/4 54 Donaly. ✓ "Life of Ld. Jeffrey," &c. **5]** John, Scot. ✓, † 1758.

Cockchafer, or Maybug, entom., the lamellicorn beetle, *melolontha vulgaris*, Eng.

Cocker, Edw., * *ca.* 1632, † *ca.* 85; reputed ✓ of an "Arithmetic." Hence, "according to C."

Cockle, zool., any shell of gen. *cardium*, or fam. *cardiidæ*. Common C., *cardium edule*. The C. shell was the pilgrim's badge.

Cockpit, ⚓, part of a war-ship nr. after-hatch under lower gun-deck, where wounded are tended.

Cockroach, entom., any insect of gen. *blatta*, esp. *blatta orientalis*. Incorrectly called blackbeetle, but is not a beetle, nor black.

Cockscomb, ❀, **1]** *celosia cristata*; **2]** *rhinanthus cristagalli*; or **3]** *onobrychis sativa*. C. grass, *cynosurus echinatus*.

Cocksfoot Grass, ❀, *dactylis glomerata*, or *digitaria sanguinalis*.

Cockton, Hy., nov. ✓, "Valentine Vox" 40.

Cocoa, or Cacao, beverage from roasted seeds of *theobroma cacao*, from which also chocolate is made.

Cocoa-butter, yell'wish tallowy fat contained in seeds of *theobroma cacao*, of wh. it forms 50 per cent.

Cocoa-nut, the seed of a trop. palm, *cocos nucifera;* grows nr. sea, 60–90 ft. high, produces. 80–100 nuts per annum; juice makes toddy & arrack; sugar is called jaggery; nut produces oil.

Cocoon, entom., outer covering of silky fibre which protects *pupæ*, or chrysalides of many insects.

Cocus-wood, wood of *brya ebenus,* Amer. ebony.

Cod, ichth., *morrhua vulgaris.*

Cod-liver Oil, oil from livers of sev. vars. of codfish, esp. Common Cod, Torsk, Ling; prepared by slicing livers & letting them drain in heat.

Coda, ♪, the final episode of a composition.

Coddington, Wm., 1st govr. of Rhode Island 1640, † 78.

Code, or Codex, a body of laws bearing upon all points; *e.g.* Code Napoléon, the civil pt. of wh. was begun in 1800.

Codeia, ⚗, $C_{18}H_{21}NO_3$, an alkaloid in opium.

Codex, a book or MS., esp. an anct. MS. of whole or part of the New Test. The chf. codices, with the signs by wh. they are known & their supposed dates, are: *Codex Alexandrinus* (Cod. A.), 5th cent.; *Codex Vaticanus* (Cod. B.), 4th cent.; the *Ephraem MS.* (Cod. C.), 5th cent.; *Codex Beze* (Cod. D.), 6th cent. *Codex Sinaiticus* (Cod. ℵ, or Aleph), 4th cent.

Codicil, ⚖, a supplement to a will.

Codo, Sp. meas. = 19½ inches.

Codrington, 1] Sir Edw., Brit. adm., • 1770; capt. of *Orion* at Trafalgar 1805, commd. at ✕ Navarino 20/10 27; † 28/4 51. 2] His s., Henry John, Brit. adm., • 1808, † 77. 3] His bro., Wm. John, Brit. genl., • 1804; comm. Lt. Divisn. in Crimea, M.P. 57–59, Govr. of Gibraltar, genl. 63, † 6/8 84.

Codrus, Greek myth., last k. of Athens, *ca.* 11th cent. B.C.

Coehoorn, Menno van, Dutch genl. & ✕ ● • 1632 nr. Leeuwarden; inventr. of the cohorn & of a system of fortification; † 1704.

Coelenterata, zool., an animal sub-kingdom, incldg. corals, sea-anemones, &c.; is divided into 2 classes, *actinozoa, hydrozoa.*

Cœlius Antipater, Lucius, Rom. ✍ ⚖, 2nd cent. B.C.

Cœnobites, monks or nuns living together in common.

Coffee, the ground, roastd. seeds of *caffea arabica,* from Arab. & E. & W. Inds.; introduced to Eng. 1641. C. contns. the active princ. caffeine, an alkaloid, $C_8H_{10}N_4O_2$.

Coffin, Sir Isaac, Brit. adm., • 1760, † 1841.

Coggeshalle, Ralph, Eng. chronicler, † *ca.* 1228.

Cognac, French ⊙ Charente; brandy; 15,000 inh. C. = brandy.

Cogniet, Léon, ✍ ●. • 29/3 1794 Paris, † there 20/11 1880.

Cognomen, the last of a Rom.'s 3 names, *e.g.,* in Quintus Horatius *Flaccus.*

Cognovit, in ⚖, acknowledgmt. by deft. that whole or pt. of ptff.'s claim is just.

Cohen, 1] Jacob Shalom, Hebr ⚖, • 1771 Meseritz, † 1846 Hamburg. 2] Joseph b. Joshua b. Meir Hebr. ✍ ⚖ & ✍, • 1497 Avignon, † *ca.* 1575. 3] Arthur, polit. & ⚖, • 1830; Q.C. 74, M.P. 80.

Cohesion, in nat. ⚛, the force by wh. particles of bodies are kept attracted to each other so as to resist separation.

Cohn, Ferd. Jul., ●, • 24/1 1828 Breslau; authority on algæ, &c.

Cohorn, ✕, portable brass gun for throwing grenades; *v.* Coehoorn.

Cohort, the 10th pt. of an anct. Rom. legion; usually *ca.* 400–600 men.

Coif, a cap worn by a shaven priest to cover his head. The C. marked the obsol. ord. of Serjts.-at-Law.

Coil, in electr., a hollow cylinder containg. bar of soft iron with 2 helices coiled round it, one connected w. poles of a battery, the

other developing the induced current; an induction coil. Any coil of wire in electrical apparatus.

Coimbatore, distr. of Madras, Brit. Ind.; 7,432 s.m., 1,800,000 inh. Chf. ⊙, C., 36,000 inh.

Coin, metal stamped for currency; first produced in Ægina 9th cent. B.C., in Brit. *ca.* 120 B.C. Eng. coins: (silver) penny = 24 grs. (755–1272); (gold) florin or noble = 6s. 8d.; (gold) half & quarter angel or noble = 5s. & 2s. 6d.; (silver) groat = 4d.; (gold) pound-sovereign or broad = 20s.; guinea = 21s.; (silver) crown, four-shilling piece, half-crown, florin, shilling, sixpence, half-groat, threepence, three-halfpence, penny, three-farthings, halfpenny, farthing. Copper penny, halfpenny, farthing coined 1672; bronze, 1861. Weight of modern Brit. coins (in grains): sovereign 123·27, crown 436·4, shilling 87·3.

Coit, T. W., Amer. †, * 28/6 1803 New London, Conn. ✓.

Cokayne, Sir Aston, Eng. poet. & ⊙ ✓, * 1608, † 1684.

Coke, an impure form of amorphous carbon; residue after gas has been distilled from coal; when burnt, produces no smoke.

Coke, 1] Sir Edw., Eng. ⚖, * 1/1 1552 Mitcham; Attorn.-Genl., Chf. Just. 1606, deprived 16, imprisnd. 21–22, M.P. 25, framed Petit. of Rights; † 3/9 1633. ✓ "Institutes of the Laws of Eng." 2] Thomas, Wesley. †, * 1747 Brecon, † 1814. ✓. 3] Thos. Wm., earl of Leicester, ✓, * 1752; M.P. 1776–1832, peer 37; † 42.

Colban, Marie Sophie, *née* Schmidt, rom. ✓, * 18/12 1814, † 27/3 64 Rome. "Thyra," &c.

Colbert, J. Bapt., Fr. statesm. & finan., * 29/8 1619 Rheims, † 6/9 83; built Invalides & façade of Louvre.

Colby, Thos., Brit. gen., * 1784; supt. of Trigonometrical Survey, major-gen. 46, † 52.

Colchester, ⊙ Essex, on Colne; oysters, ✕ station; anct. Camulodunum; 29,000 inh. Rets. 1 M.P.

Colchester, Chas. Abbot, 1st Lord, ⚖ & statesm., * 1757 Abingdon; M.P. 95, Irish Sec., Speaker 1802, † 29 London.

Colchicum, ✿, gen. of *melanthaceæ*. *C. autumnale*, meadow-saffron, prodcs. pale purple flowrs., Aug.-Oct. The corms are used in ℞; poisonous.

Cold, *v.* Catarrh.

Cold Cream, olive-oil 4, wax 1.

Colden, Cadwallader, ℞, ✿, & nat. ⚘ ✓, * 1688 Duns; to N. York 18, lieut.-govr. of N. York, † 1777.

Cole, 1] Thos., ⊙ & poet. ✓, * 1801 Bolton-le-Moors; to Amer. 19, † 47 Catskill-on-Hudson. 2] Wm., Ψ, * 1714 Little Abington, † 82. ✓. 3] Vicat, Eng. landscp. ⊙, * 1833 Portsmouth; A.R.A. 70, R.A. 80. 4] Henry, art & misc. ✓, one of originators of Exhib. of 1851, * 15/7 1808 Bath; supt. of S. Kensington Mus. 60, retired 73, K.C.B., † 18/4 82.

Colebrooke, Hy. Thos., Orient., * 1765; Chf. Just. of Bengal, † 1837 London. ✓.

Colenso, John Willm., math. & †, * 24/1 1814; 2nd wrangler 36, asst. master at Harrow 38–42, 1st bp. of Natal 30/11 53, illegally deposed for heresy 64, but remained bp. in fact till † 19/6 83. ✓ "Pentateuch & Bk. of Joshua critically examined" 62, "Zulu Grammar," "Zulu Dictionary," &c.

Coleoptera, entom., grt. order of insects with sheathed wings, commonly called beetles; conts. 30,000–40,000 specs.

Colepeper, John, Ld., ⚖, * *ca.* 1598; Chanc. of Exchequ. 1642, Master of Rolls 43, peer 44, † 60.

Coleridge, 1] Samuel Taylor, poet., ✍, & misc. ✓, * 21/10 1772 Ottery-St.-Mary, † 25/7 1834 Highgate; educatd. Christ's Hosp. & Camb., to Germ. 98, w. Southey to Keswick 1800, became addictd. to opium. "Fall of Robespierre" 1794, "Poems" 94, "Antient Mariner" 98,

"Christabel" 16, "Biographia Literaria" 17, "Aids to Reflection" 25. Life by Gillman. 2] Hartley, his eldest s., poet. & biog. /, * 19/9 1796 Clevedon, † 6/1 1849 Ambleside. 3] His brother, Derwent, misc. /, * 14/9 1800; "Life of W. M. Praed." † 28/3 83. 4] Hen. Nelson, neph. of 1, /, * ca. 1800, m. his cousin Sara 29, † 43. 5] Sara, dau. of 1, * 1803, † 52. /. 6] Sir John Taylor, ⚖, * 9/7 1790 Tiverton; to bar 1819, serjeant-at-law 32, Just. of King's B. 35–58, † 11/2 76. 7] His s., John Duke C., 1st Lord, * 1821; called to bar 46, Q.C. 61, M.P. 65, Sol.-Genl. 68, Att.-Genl. 71, Ld. Chief Justice 19/11 73, peer 73. /.

Coles, Elisha, Eng. lexicog., * ca. 1640, † ca. 1700.

Colet, John, * 1466 London; dean of St. Paul's 1505, fnded. St. Paul's School 12, † 16/9 19. /.

Coleus, ❀, a gen. of *labiatæ*, from Asia & Afr.; cultivd. in Brit. greenhouses, &c., for foliage.

Colfax, Schuyler, Amer. polit., * 23/3 1823 New York; m. Congress 54–68, vice-presdt. 69–73. † 17/1 85.

Colgan, John, Franciscan /, † 1586; last 3 vols. of "Acta Sanctorum."

Colic, ✚, gripes, spasm of the bowels, with constipation. Painter's C. is a form of lead-poisoning.

Coligny, Gaspard de, Fr. adml., genl., & Prot. statesm., * 16/2 1517, † 1572 in mass. of St. Bartholomew.

Colin Tampon, nickname for a Swiss.

Colins, Alex., Germ. ☾, * 1532, † 17/8 1612 Innsbruck; executed reliefs on tomb of Max. I.

Colles, Abraham, Ir. surg., * 1773 Millmont, † 1843. /.

Collet, Jacobina Cam., *née* Wergeland, nov. /, * 23/1 1813 Christiansund.

Colletta, Pietro, ✍ /, * 29/1 1775 Naples; Min. of War 1821, † 11/11 31 Florence.

Collier, 1] Jeremy, polit. & controv. /, * 23/9 1650 Stow Qui, Camb., † 26/4 1726. 2] Arth., metaph. /, * 1680, † 1732. 3] John Payne, /, editor, & critic, * 11/1 1789 London. "Life of Shakespeare" 42–44, &c., † 17/9 83. 4] Sir Robt. P., ⚖, * 1817; M.P. 52, Sol.-Genl. 63–66, Att.-Genl. 68–71, memb. of Jud. Comm. of Privy Counc. 71, creatd. Ld. Monkswell 85, † 7/10 86.

Collin, Heinr. Josef v., /, * 26/12 1772 Vienna, † there 28/7 1811.

Collings, Jesse, polit., * 1831; mayor of Birmingham 78, Presdt. of Nat. Fed. of Lib. Associations 80, M.P. 80, Sec. of Local Govmt. Board 86.

Collingwood, Cuthbert, Lord, Brit. ⚓ offr., * 26/9 1750 Newcastle-on-Tyne; vice-adml. 1804, 2nd in commd. at Trafalgar, created peer, commd. Mediterr. fleet till † 7/3 10.

Collins, 1] Willm., Eng. lyr. /, * 25/12 1720 Chichester, † 1756. "Ode to the Passions." 2] Willm. Wilkie, rom. /, * 1824 London, s. of Wm. C., R.A. "Antonina" 50, "After Dark" 56, "Dead Secret" 57, "Woman in White" 60, "No Name" 62, "Moonstone" 68, "New Magdalen" 73, &c. 3] Mortimer, nov. & poet. /, * 1827 Plymouth. "Sweet Anne Page" 68, "Frances" 74, "Idylls & Rhymes" 65, † 28/7 76. 4] Anthony, relig. controv. /, * 1676 Heston, † 1729. 5] Arthur, Ψ, * 1682, † 1760 Battersea. / "Peerage" 1708, "Baronetage" 20, &c. 6] Willm., father of 2, landscp. ●, * 1787, R.A. 1820, † 47. 7] John, math., * 1624 Woodeaton, † 83. /. 8] Chas. Alston, /, * 1828, † 9/4 73. "The Bar Sinister," &c.

Collinson, Peter, ❀ & Ψ, * 1694 Staveley, † 1768.

Collodion, subst. prepared by dissolving 1 oz. of gun-cotton or pyroxylin in mixture of 36 fl. ozs. of ether & 12 fluid ozs. of rectified spirits; used in photog. & surg., as it dries quickly into thin transpnt. film. First used in photog. 51.

Collop-Monday, Mond. before Lent.

Collot d'Herbois, J. M., Fr. ☾ & revolut., * 1750 Paris; assisted Robespierre, ravaged Lyons, deported to Cayenne, † there 8/1 96.

Colman, 1] Geo., ☉ ✓, * 1733 Florence, † 14/8 94. *The Jealous Wife* 61, transltd. Terence. 2] His s. Geo. the younger, com. & ☉ ✓, * 21/10 1762, † 26/10 1836. *The Iron Chest* 96, *The Heir-at-Law* 97, *The Poor Gentleman* 02, "Broad Grins," &c.

Colocynth, or bitter cucumber, *citrullus colocynthis;* pulp used as drastic purgative in ℞.

Cologne, Koln, chief ⊙ Rhen. Pruss., on Rhine; cathed. 13th cent. (completed 1880), 160,000 inh.

Cologne, The Three Kings of; the 3 Magi, Gaspar, Melchior, Balthazar.

Colombey, castle in Lothringen; ⚔ 14/8 1870.

Colombia, United States of, formerly New Granada, a confed. repub. of N.W. pt. of S. Amer., incl. the 9 states, Antioquia, Bolivar, Boyaca, Cauca, Cundinamarca, Magdalena, Panama, Santander, Tolima; in all 331,420 s.m., *ca.* 4,000,000 inh. ▲ons, ⊕s, tobacco, coffee, cocoa, cattle, hides. Army 3,000 men; no navy. Rys. 135 m.; reven. *ca.* £1,175,000, expend. *ca.* £1,550,000, debt *ca.* £4,000,000. Cap. ⊙, Santa Fe de Bogota. ♛: Dependency of Sp., revolt. 1811, united as free repub. with Ecuador & Venezuela 19–31, present constitution 8/5 63.

Colombo, cap. ⊙ Ceylon, ⚓; 114,000 inh.

Colon, Sp. name for Columbus; ⊙, Aspinwall (*q.v.*).

Colon, in anat., the parts composing the large intestine.

Colonel, ⚔, commander of a regt. In Brit. army a Col. ranks above a Lieut.-Col. & below a Brigadier-Genl. He ranks with a Capt. R.N. of 3 years' seniority.

Colonial Bishoprics, of Ch. of Eng.; first estabd. was Nova Scotia 1787; there are now 51.

Colonial Office, Sec. for Cols first apptd. 1768–82, re-apptd. 1854.

Colonna, Vittoria, Ital. poetess, * 1490, m. 1507 Francisco d'Avalos, † 47. The C. fam. in Rome were Ghibellines, & opposed the Orsini.

Colonsay, one of W. Isles of Scot., separated from Oronsay by channel dry at low water; 450 inh.

Colophon, bibliog., printer's device or inscriptn. with date & place, formerly at end of a book.

Colophony, ♃, resinous subst. wh. remains when turpentine or resin is deprived of water & volatile oil; used in varnishes, cements, ointments; as resin for ♅ bows.

Colorado, one of S.W. of U.S.A.; organised as terr. 61, admitted to Union 1877; coal, gold, silver, ⊕s, ✓; 104,500 s.m., 200,000 inh. Cap. ⊙, Denver.

Colorado Beetle, entom., *doryphora decemlineata,* first described by Thos. Say 1824; Amer. gen. of *chrysomelidæ;* larvæ feed on potato.

Colosseum, an amphitheatre in Rome, finished 80; also a bldg. in Regent's Pk., London, 1824, used for panoramas, demolished 74.

Colossus, a gigantic statue, esp. the statue of Apollo, which was fabled to bestride the entrance of Rhodes harb., said to have been 90–120 ft. high, of bronze; destroyed by earthquake 224 B.C.

Colour, opt. White light is made up of variously coloured rays. Objects wh. reflect all these in proper proportion appear white; those which reflect none are black; apparent colour depends upon the rays which are reflected after some have been absorbed.

Colour-blindness, achromatopsia, inability to distinguish one colour from another; liability to confuse colours. *v.* Daltonism.

Colquhoun, Patrick McChombach de, * 1815; served Hanseatic Repubs., Chief Just. of Ionian Islands 61, kntd., Q.C. 68. ✓.

Colson, John, math., * *ca.* 1702;

Lucasian prof. at Cam. 39; † 60. Translated Newton's "Fluxions."

Colt, Col. Samuel, * Hartford, Conn., 16/7 1814; invntd. revolver 35; † 10/1 62.

Colt's-foot, ♨, *tussilago farfara*, a compos. plt.; leaves used in ♁. Sweet C., the gen. *nardosma*. Water C., *nuphar lutea*.

Colton, Caleb Chas., ✓, clergyman & gambler, * *ca.* 1780, † by suic. 1832 Fontainebleau. "Lacon."

Columba, St. (Columbkill), Irish missionary, * 521 Donegal, † 597 Iona.

Columba Noachi, ✕, Noah's Dove; constellation of S. hemisph., W. of Ship & Canis Major.

Columbanus, St., * 559 Ireld., † 615; apostle of Alemanni; 22,11.

Columbia, British, prov. of Dom. of Canada, on Pacif. O., includg. Vancouver's & Q. Charlotte's Islands; till 1858 part of Hudson Bay Territ., admtd. to Dom. 71; gold, coal; 356,000 s.m., 66,000 inh. Cap. ⊙, Victoria.

Columbia, District of, seat of fed. govt. of U.S.A., not belong. to any state, but govrd. by Congress; on Potomac, 64 s.m., 180,000 inh. Chf. ⊙, Washington.

Columbia, U.S. of, *v.* Colombia.

Columbia Market, Bethnal Green, London; for fish; built by Miss Burdett-Coutts 1869, presntd. to City of London 3/11 71, but returned to donor 4/12 74.

Columbine, ♨, 1] any spec. of gen. *aquilegia*, esp. *A. vulgaris*, w. five-sepald. purple-blue flowers. 2] *verbena officinalis*.

Columbus, Colombo, or Colon, 1] Christopher, navigator & discoverer, * 1436 Genoa (or Calvi), went to sea 51, dreamt of a western route to Ind., obtained help from Isabella of Sp., set out 3/8 92, discovered Bahamas, Cuba, Hayti, made 4 voyages; † 20/5 1506 Valladolid; remains transferred 1536 to cathed. of St. Domingo, to Havana 1795. Life by Washington Irving. 2] His eldest s., Diego, * *ca.* 1474 Porto Santo; 2nd adm. of Indies 1509–15; † 1526 Montalban. 3] His bro., Fernando, * 1488 Cordova; to Amer. 92, & twice again; † 1539 Seville. ✓ Life of his father.

Columella, Luc. Jun. Moderatus, ✓ ✓ in 1st cent., * Gades.

Colvile, James Wm., ⚖, * 1810; puisne judge of Sup. C. of Calcutta 48, kntd., Chf. Just. of Calcutta 55–59, member of Jud. Comm. of Priv. Counc. 71, † 5/12 80.

Colville, John, Scotch lord of session 1587, joined Bothwell 91, forfeited, † 1607. ✓.

Colza, ♨, *brassica napus*, var. *dcifera*. Seeds prod. oil used for lamps.

Coma, lethargic drowsiness & sleep; symptom in acute fevers.

Coma Berenices, Berenice's Hair, ✕, constellatn. of N. celest. hemisphere, W. of Bootes.

Combe, 1] And., Scot. ♁, * 1797 Edinburgh, † 1847; sanitary reformer. ✓. 2] His bro. Geo., mor. ⚖ & phrenol., * 21/10 1788 Edinburgh, † 14/8 1858 ✓. 3] Chas., ♁, numism. & class. schol., * 1743 London, † 1817. ✓. 4] Taylor, numism., * 1774, † 1826. ✓.

Combermere, Stapleton Stapleton-Cotton, 1st Viscount, Eng. genl., * 1773; entered army 90, lieut.-col. 95, served in Ind. & Penins., peer 1814, commr.-in-chief in Ind. 23, field-marshal 55, † 65.

Combustion, any direct ⚗ combination accompd. by evolution of heat, but more esp. the burning of substs. in air, wh. is the combination of the substs. with the oxygen of the air. Spontaneous C. occurs in substs. which in air slowly absorb oxygen & become heated.

Comenius, John Amos, schoolmaster, * 29/3 1592 Komna, † 15/11 1671. ✓ "Orbis Sensualium Pictus," 1st picture-book.

Comet, ✕, a body of the solar syst. wh. travels round the sun either on an elongated ellipse or

on a parabola or hyperbola. The orbits of comets lie on different planes. Comets generally have luminous tails proceeding from the denser head, in which there is a brilliant point or nucleus. They are partly gaseous, & the tails are of highly rarefied matter. They exert no perceptible influence on celest bodies nr. wh. they pass. Among periodic C.s are Biela's, discovd 27,2 1826, lost 52; Donati's, discovd. 2/6 1858, period *ca.* 2,000 years; Encke's period 1,210 days; Halley's or Apian's, period *ca* 75 years.

Comet Years. Wine of years in which comets have appeared has a repute *e.g.* wine of 1811, 26, 39, 45, 52, 58, 61, 81, &c

Comfrey, ♃, *symphytum officinale*, used as a veget. Middle C, *ajuga reptans*. Saracen's C, *senecio saracenicus*. Spotted C, *pulmonaria officinalis*. Tuberous C. *symphytum tuberosum*, com. in Scot.

Comines, Philippe de la Clite de, ✠ ♂, • 1445 C in Flanders; served Fr, disgraced & imprisoned, restored; † 18/10 1509 Argenton

Comma, 1] entom, a butterfly, *grapta comma-album* 2] ♫, the small interval betw. a major & a minor tone.

Commander, 1] in Brit. navy an officer betw. a lieut. & a captain, ranking with a junr. lieut.-col. in the army. 2] A pensioned member of certain foreign ✠ orders.

Commander-in-Chief, Genl commanding in chief, highest staff officer of Brit army; subord. only to Sec. for War.

Commandine, Fredk., math. ♂, • 1509 Urbino, † 75 Verona.

Comme il faut, Fr. = as it should be.

Commelin, Jerome, Protest. typog. & scholar, • Douai, † 1598.

Commelinus, Isaac, Dutch ✠ ♂, • 1598, † 1676

Commendam. A living is held in C. by a bp. until an incumbent is appointed.

Commerell, Sir John Edm., Brit. ⚓ offr., • 1829; entered navy 42, V.C., served in China, S. Amer, Crimea, &c, Junr. Ld. of Adm. 79, commdr.-in-chf. on Amer. station 82, M.P. 85.

Commis-voyageur, Fr. = commercial traveller.

Commissaries, Court of, Scot. eccles. court created 1563.

Commissionaires, corps of public messengers, selected from old soldiers; established 1859.

Committee of Public Safety, council of 10 who exerd. supreme authority in Fr. for 15 months, 1792-94.

Commodore, in Brit. navy a senr capt commdg a squadron or detachment of ships on partic. service; ranks with brig.-genl in army.

Commodus, Lucius Aurelius, Rom emp, • 161; succeed. Marc. Aurel Antonin. 180; † by poisn. 192

Common, in ⚒, tract of land unappropriated by any individual, but used in common by inhabs of manor or parish In a manor the soil of the C belongs to the lord, elsewhere to the king, subject to prescript. rights of commoners. Of common rights there are pasture, turbary or turf-digging, estovers or wood-cutting, pascary or fishing, &c

Common Law, in England the unwritten law based on usage immemorial & record, decisions of judges, as distinct from statute law.

Common Order, Book of, Scot service book compiled 1567 by Knox.

Common Pleas, Court of, until 1880 a divisn. of the Eng. High Court of Justice, now absorbed in Queen's Bench Divisn. Previous to 1875 it was a Common Law-court.

Common Prayer, *v.* Prayer Book *s.*

Common Time, ♫, time with 2 or any multiple of 2 beats in a bar. Compound C T has 2 or 4 beats in a bar & 3 crotchets or quavers to each beat.

Commons, House of, *v.* British Parliament.

Commune, 1] in Fr. the smallest administrative division, under a *maire* & municip. council. 2] An insurrectn. of Communists in Paris 18/3 1871, & the Govt. which they estab. 28/3; overthrown 28/5 71.

Communism, the polit. theory that no property should belong to the individual, but all to the State or Commune; advocated by Robt. Owen 1813 in Eng., & by St. Simon, Fourier, & Proudhon in Fr.; a form of Socialism.

Como, Italian ⊙, Lombardy; cathed. 14th cent.; 25,000 inh.; on Lake of C., 30 × 2½ m.

Comoro Islands, group in Mozambique Channel, betw. Madagascar & Afr.; 65,000 inh. Chf. islands, Comoro, Joanna, Mayotte. Last has been Fr. for many years; the rest were annexed by Fr. 21/4 1886.

Company, ✕, the smallest command of an inf. capt., varies in Eng. from 48 to 120, & on Continent to 250 men. In Eng. 1 C = ½, on Cont. = ¼, of a war battalion. *War strength in Eng.* 3 offrs., 5 sergts., 2 drummers, 5 corpls., 113 privates, 1 driver = 129.

Compass, *v.* Mariner's Compass.

Compiègne, French ⊙, Oise; siege 1430, Joan of Arc taken prisoner; 13,000 inh.

Complement, ♪, interval that must be added to other interval to equal an octave. In geom., diff. betw. an arc & a quadrant, or betw. a rt. angle & other angle. Genlly., anything to make up a whole.

Compline, in Rom. Cath. Ch. the last service of the day.

Complutensian Polyglot, *v.* Ximenez de Cisneros.

Composite, ❀, order of plants also known as *asteraceæ*.

Composite Order, △, order differing from Ionic & Corinthian, but incldg. chief features of both

Composition of Forces, *v.* Parallelogram of Forces.

Compos mentis, Lat. = sound of mind.

Compound Radicle, ⚲, a group of 2 or more elements that remain combined together & behave like a single element, *e.g.* cyanogen, wh. is a combinatn. of 1 at. of carbon w. 1 at. of nitrogen, & forms compnds. called cyanides.

Compounding of Felony, ⚖, forbearing for consideration to prosecute a felon; a misdemeanour.

Compounds, ⚲, substs. that can be decomposd. into something simpler. They diff. from mixtures in possessing properties diff. from those of their constituents, & they are formed by ⚲ union. They are denoted by formulæ constructed of symbols & figures to indicate the No. of atoms of each element, *e.g.* sulphuric acid, compnd. of 2 ats. hydrogen, 1 at. sulphur & 4 ats. oxygen = H_2SO_4.

Compton, 1] Henry, Eng. †, • 1632 Compton; bp. of Oxford 74, of London, /, + 1713 Fulham. 2] Spencer, 2nd earl of Northampton, • 1601; fght. for Chas. I., + at ✕ *Hopton Heath* 43. *His sons*, James, Chas. & Sir Wm., also fght. in civil wars. 3] (Mackenzie), Hy., com. ☾, • 1818, + 15/9 77.

Comte, 1] Auguste, fnder. of Positive ☯ or Comtism, • 19/1 1798 Montpellier, + 5/9 1857 Paris; advocated Relig. of Humanity, of wh. he was priest, but his ☯ embraced also morals, &c. / "Course of Positive Philosophy" 1830–42. 2] P. Charles, ●, • 23/4 1823 Lyons.

Comuneros, democrat. party in Castile 1519–21; Sp. political society 1820–23.

Comus, later Grk. myth., god of laughter & revelry.

Comyn, John ("Red"), one of guardians of Scot. 1238; deftd. Eng. at ✕ Roslin 1302, submitted to Edward I. 1304, claimd. crown of Scot., killed by Bruce 10/2 1306 Dumfries.

Comyns, Sir John, Eng. ⚖, • 1667; Chief Baron of Exchequ.; † 1740. /.

Con amore, Ital. = with love.

Con brio, Ital. = with life; fire.

Conant, Thos. Jefferson, † & philol. /, * Brandon, Vermont, 13/12 1802.

Concanen, Matthew, misc. /, † 1749.

Concave, Convex, *v.* Lens.

Concert-pitch, ♫, a pitch slightly higher than ordinary, formerly used at concerts.

Concertina, ♫, portable wind instr. w. bellows, wh. set in motion a current of air that acts on vibrating metal reeds; a development of the accordion. Invntd. by Wheatstone.

Conchology, the science of the forms & structure of shells.

Concierge, Fr. = house-porter; gaoler. *Conciergerie,* gaol.

Conclave, an assembly; esp. the assembly of cardinals for the election of a Pope.

Concordat, treaty, agreement.

Concrete, mixture of stones, sand & lime with water for forming foundatns. of buildgs., &c. In logic, a C. term is one wh. can be applied to an object, *e.g.* fool, foolish. An abstract term simply expresses an idea, *e.g.* folly.

Condamine, Chas. M. la, travlr., * 28/1 1701 Paris, † there 4/2 74; in East, S. Amer., &c. /.

Condé, 1] Louis, 1st P. of Condé, s. of Chas. de Bourbon, dk. of Vendôme, * 1530, † ✕ Jarnac 13/3 69; leader of Huguenots. 2] Louis, P. of Condé, the Grt. Condé, ✕ comdr., * 8/9 1621, † 11/12 86; vict. ✕ Rocroi 43. 3] Henry, s. of 1, comp. of Henry IV., † 5/3 1588. 4] Louis Joseph, * 9/8 1736 Paris; fled 89, in Austr. & Russ. service, † 13/5 1818 Paris. 5] Louis H. Joseph, his son, * 7/4 1756; fled 89, † by suic. 27/8 1830.

Conder, Josiah, Nonconform. & polit. /, * 1789, † 1855.

Condillac, Étienne Bonnot de, ♁, * 30/9 1715 Grenoble, † 3/8 80. /.

Condor, ornith., S. Amer. vulture, *sarcorhamphus gryphus.*

Condor, gold coin; in Chili *ca.* 87s., in Colombia *ca.* 39s.

Condorcet, M. Jean Ant. N. C. de, ♁, * 17/9 1743 Ribemont, † by suic. 28/4 94. /.

Condottieri, soldiers of fortune in Middle Ages in Italy.

Conduction, a process by wh. heat & electricity are communicatd. from one body or part of a body to another along a conductor which connects them. A conductor is a subst. wh. readily transmits heat or electricity. Good conductors are metals, bad C.s are wool, india-rubber, ebonite, &c. Graphite is a conductor of electricity, but a non-conductor of heat.

Condy's Fluid, a disinfectant; solution of permanganate of potassium.

Cone, in geom. a solid figure having a circle for its base & decreasing regularly upwards to a point. A right C. is one which would be formed by revolution of a right-angled triangle about one of its perpendic. sides. All other C.s are oblique.

Confederate States. The following 11 States revolted from the Amer. Union 1860-65: Georgia, N. Carolina, S. Carolina, Virginia, Tennessee, Alabama, Louisiana, Florida, Arkansas, Mississippi, Texas.

Confer, Lat. = compare.

Confetti, Ital. = comfits.

Confirmatio Cartarum, confirmation & extension by Edw. I. 1297 of Magna Charta.

Confirmation, cerem. of Eng. Ch. & other Chs. by wh. baptised person is confirmed or strengthenid. by the laying on of a bp.'s hands. In R. Cath. Ch., C. is a sacrament.

Confucius, Latinised name of Koong-foo-tse, grt. Chin. ♁, * *ca.* 550 B.C., † *ca.* 477. General teaching: Do as you would be done by.

Congé d'élire, Fr. = leave to elect; a writ fm. the Crown to dean & chapt. of a cathed. to elect a bp. to the vacant see. Nominally

the choice is free, really it is always dictated by a letter missive.

Conger, or Conger Eel, large sea-eel, *muræna conger*, 5–10 ft. long.

Congestion, ✱, abnormal accumulation of blood in vessels of some partic. part of the body.

Congius, Rom. liq. meas. = *ca.* 5¼ pints.

Conglomerate, ⚒, pebbles & rounded fragments bound together by silicious, calcareous, or argillaceous cement; pudding-stone.

Congo, or Zaire, ⚊ Afr.; rises in lakes S.W. of Lake Tanganyika as Lualaba ⚊, flows to Atl.; explord. by Livingstone 67, Stanley 77.

Congo State, sovereign state of W. Afr., on Congo ⚊, fnded. by International Assoc. undr. patronage of k. of the Belgians 1879. Cap. ⊙ Leopoldville, fnded. 82, on Stanley Pool. The sov. is K. Leopold, the administrator-genl. Cam. Janssen; 802,000 s.m., 8,000,000 inh.

Congregationalism, Christian sect wh. recognises the right of every congregation to govern itself; possesses in Brit. Isles *ca.* 4,600 churches & places of worship. Is predominating sect in America.

Congreve, 1] Willm., Eng. ☾ ✓, ✱ 5/4 1670 Bardsey, Yorks., † 19/1 1729 London. *Love for Love*, &c. 2] Sir Willm., ⚙. ✱ 20/5 1772 Woolwich, † 15/5 1828 Toulouse; invented C. rocket, &c. 3] Rich., Positivist ♃, ✱ 4/9 1818 Leamington. ✓ "Roman Empire of the West."

Conic Sections, in geom., the figs. or sections formd. by the intersection of a plane & a cone. These figs. are: circle, triangle, ellipse, parabola, hyperbola; but only the last 3 are peculiarly C. S.s. The doctrines of the properties of such figs. or curves.

Conington, John, ✱ 10/8 1825; prof. of Lat. at Oxf. ♃ † 28/10 1869. ✓ Translatns. of Horace, Virgil, &c.

Conjunction, ☌, a planet is in C. with the sun when it & the sun are on the same side of the heavens & the earth is on the opposite side.

Conkling, Roscoe, Amer. polit., 30/10 1829 Albany; republican, ♄♃, senator 67, candidate for presidency 76, † 18/4 88.

Connaught, or Olnegmacht, one of the 4 provs. of Ireland & anctly. a kingdom.; includes cos. Galway, Mayo, Leitrim, Sligo, & Roscommon; 721,647 inh.

Connaught, Arth. Willm. Patr. Albert, Dk. of, 3rd s. of Q. Victoria, ✱ 1/5 1850 London; created Dk. of C. & Strathearn & E. of Sussex 26/5 74, m. 13/3 79 Louise Margaret (✱ 25/7 60), dau. of P. Fredk. Chas. of Prussia; com.-in-chf. of Bombay, 86.

Connecticut, one of northern U.S.A., on Atlant. O.; 4,750 s.m., 640,000 inh. Chief ⊙s, Hartford, New Haven.

Connective Tissue, *v.* Areolar Tissue.

Connemara, ▲ous distr. on W. coast of Galway, Ireld.; highest ▲ Muilrea, 2,680 ft.

Conon, Athen. genl., 4th & 5th cents. B.C.; deftd. by Lysander ⚔ Ægospotami 405, deftd. Peisander ⚔ near Cnidus 394, † *ca.* 388 B.C.

Conrad, Konrad. 1] I., k. of Germ., 911–19. 2] II., k. of Germ. 1024; crowned emp. 27, † 1039. 3] III., k. of Germ. 1138–52; began contest of Guelphs & Ghibellines. 4] IV., s. of Fredk. II., emp. of Germ., succeeded 1250, † 54.

Conrad, name of sevl. old Germ. poets. 1] Pfaffe, 1130. 2] Fleck, 13th cent. ✓ "Flore und Blancheflur." 3] of Wurzburg. † 31/8 1287 Basle.

Conradin of Suabia, last legit. Hohenstauffen, s. of Conrad IV., ✱ 1252; deftd. at ⚔ Tagliacozzo 23/8 68, executed by Chas. of Anjou 23/10 Naples.

Conring, Hermann, ✍ ✓, polit., & ☾, ✱ 1606 Norden; prof. at Helmstedt 34, † there 12/12 81.

Consalvi, Ercole, Card., statesman, ✱ 1757 Rome, † there 1824; administrative reformer

Conscience, Hendrik, ✍ rom. ✓, ✱ 2/12 1812 Antwerp, † 10/9 83

Brussels; finder. of the new Flemish ✓ school.

Conscript Fathers, the senators of ancient Rome.

Conservation of Energy, doctrine that the total amount of energy in the universe is constant, although it may change its form.

Conservative, member of the polit. party wh. desires to maintain worthy institutions & to progress only within constitutional lines. Term first used 1830.

Conservatorium, school of ♫.

Considérant, Victor, Socialist ✓, * 12/10 1808 Salins; discip. of Fourier; to Texas 49, returned to Paris 69.

Consistory, the court of a bp. In R. Cath. Ch., the assembly of cardinals.

Consolidated Fund, the fund from wh. the expenses of the govt. of Grt. Brit. & Ireland are paid; formed 1786, united with that of Ireland 5/1 1816.

Consols, or Consolidated Annuities; a large pt. of the public debt of the U. Kingdom. The different 3 % stocks were consolidated 1751.

Constable. Lord High C. of Scotland is an hereditary dignity in family of earls of Errol. C. was originally Master of the Horse.

Constable, 1] John, Eng. lndscp. ✓, * 11/6 1776 East Bergholt. † 1/4 1837 London. 2] Henry, poet. ✓, * ca. 1560, † 1612. 3] Archibald, publr., * 1775, † 1827 Edinburgh; publd. Scott's novels, *Edin. Review.*

Constance, 1] 4th dau. of Wm. I., m. Alan, earl of Richmond, † 1890. 2] of Brittany, d. of Conan, dk. of Brittany; m. Godfrey, s. of Henry II. of Engl., divorced 1198, m. Guy of Thouars, † 1201. 3] of Castile, d. of Pedro the Cruel; m., as 2nd wife, John of Gaunt, † 1302.

Constance, or Kostnitz, ⊙ Baden, on Bodensee; 13,500 inh. Council 1414–18.

Constance, Lake of, v. Bodensee.

Constant de Rebecque, H. Benj., ✓, * 25/10 1767 Lausanne; in Fr. civ. serv. 97, Counc. of State 1815, deputy 19, † 8/12 30 Paris.

Constantine, 1] v. Constantinus. 2] Pope 708–14. 3] Russ. grand-dk., s. of Emp. Paul I., * 8/5 1779, govr. of Pol. 1816, † 24/6 31 Vitebsk. 4] Russ. grand-dk., s. of Nic I., * 21/9 1827; Grand Admiral 53, govr. of Poland 62, President of Council 65, favoured corruptn. & Nihilism, banished 81.

Constantine, ⊙ Algeria, nr. Mediterr.; formerly ✱. Taken by Fr. 13/10 1837; 30,000 inh.

Constantinople, or Istambul, Stamboul, or Cospoli, cap. ⊙ Turk. emp., on Golden Horn, an arm of Europ. side of Bosphorus; mosque of St Sophia; suburbs of Galata (commercial), Pera (diplomatic), & Scutari (in Asia); old walls, 13 m.; with suburbs 1,080,000 inh., without 600,000 inh. ✉: Byzantium fnded. 7th cent. B.C., conqrd. by Constantine 330, new city of C. built, taken by Turks 1453.

Constantinus, 1] Flav. Valer. Aurel. C., called Constantine the Grt., Rom. emp., * 272 Naissus; succeed. his father Constantius 306, overcame all rivals, entered Rome 312, became nom. a Christn., removed seat of Emp. to Byzantium, wh. he called Constantinople, † 337 Nicomedia. 2] II., his s. & successor, * 316, † 340. 3] III., suc. 407, † 411. 4] IV., * 648, suc. 68, † 85. 5] V., Copronymus, * 718, suc. 41, † 75. 6] VI., * 771, suc. 80, † in prison *ca.* 80. 7] VII., Porphyrogenitus, * 905, † 59. 8] VIII., † 947. 9] IX., * 961, † 1028. 10] X., Monomachus, * 1000, suc. 42, † 54. 11] XI., Ducas, * 1007, † 67. 12] XIII., Palæologus, last Emp. of Constantinople, * 1394, suc. 1448, † at capture of city 53.

Constantius, 1] Flav. Valer. (Chlorus), father of Constantine the Great, * *ca.* 250; Emp. 305, † 306 York. 2] II., * 307; Emp. of E. 37, of whole empire 50, † 61 Cilicia.

Constellations, ✶, groups of fixed stars; 83 are recognised by modern ✶.

Constituent Assembly, in France, 1788–91.

Consubstantiation, the Lutheran doctrine that the subst. of Christ's body & blood is present in the Holy Sacrament w. the subst. of the bread & wine.

Consul, title of the 2 highest ordinary magistrates in anct. Rome from 510 B.C. till establmt. of Emp. & afterwards, though with nomin. duties. Now a C. is an offr. apptd. to reside in a for. country to protect commerce & furnish informtn.; a diplomatic officer of junior rank.

Consular Jurisdiction, jurisdiction exercised by certain Brit. offrs. over Brit. subjects in certain foreign countries, esp. in Turkey, China, Japan. Establd. in China 1845. Exercised by Consuls-Genl.

Consumption, ✗, phthisis, a wasting away, as of lungs; said by Tyndall & Koch to be produced by bacilli.

Contarini, Gasp., Card., * 1483 Venice; advocated reform, but eccles. unity, † 1542.

Conte, Fr. = a tale.

Continental System, a spec. of boycotting of Brit. trade & mnfs. proclaimed in Napol.'s Berlin decree 21/11 1806. All powers at peace with him were obliged to join in the system, which included a blockade of Grt. Brit. & imprisng. of British subjects.

Conto, sum of money in Port. & Braz. = 1,000 milreis = in Port. ca. £222 1s. 8d., in Braz. ca. £112 5s.

Contraband, prohibited; esp. of goods prohibited to be exported or imported, *e.g.* arms & ammunition in time of war; dutiable goods on wh. duty has been unpaid.

Contrabasso, double-bass, 𝄢 instrmt., largest kind of bass-viol.

Contralto, 𝄡, deepest tone of voice among women & boys.

Contretemps, an unlooked-for incident, genlly. unfortunate.

Contumaciam, In, ⚖, for non-appearance; for contempt.

Convection, mode by wh. heat is diffused in liqs. & gases, owing to particles becoming lighter as they are heated & so rising, while the colder & heavier particles descend.

Conventicle Act, 1664, intend. to put down worship other than that of Ch. of Eng.; repealed by Toleration Act 89.

Convention, The, interregnal parliament in Eng. 22/1 1688; transformed into parliament 89.

Convention Parliament, 1660, restored Chas. II.; assembled 26/4, dissolved 29/12.

Conveyance, ⚖, any deed wh. passes land, real estate, from one person to another.

Convocation the parliament of the Ch. of Eng.; now purely consultative & recommendatory. There are 2 C.s, one of prov. of Canterbury & one of York. Each is of two houses, Upper & Lower.

Convolvulus, ✿, gen. of plts. The 2 Brit. specs. are *C. arvensis*, the hedge-convolvulus, & *C. soldanella*, the bindweed.

Convulsions, ✗, a disease consisting of fits with muse. contractn. & contortion; treated with hot baths, purgatives or emetics, and sedatives; common to children.

Conway, Henry Seymour, genl. & statesm., * 1720; M.P. 41, commd. in Germ. 61, Sec. of State 65, govr. of Jersey 72, comdr.-in-chief 82, † 95.

Conway, Hugh, pseud. of F. J. Fargus (*q.v.*).

Cony, zool., a rabbit. In Bible the ashkoko, ganam, or wabber, *hyrax syriacus*, a gen. of pachyderm.

Conybeare, 1] John, †, * 1692; bp. of Bristol, † 1755. ✓ "Defence of Revealed Religion" 32. **2]** W. J., †, * ca. 1800, † 1857. ✓, with Dean Howson, "Life & Epistles of St. Paul" 50–52. **3]** Henry, ⊕ & △, * 22/2 1823 Brislington; executed Bombay Water Works,

Bombay Docks, recommended iron or use in land defences 57, Indian corresp. of the *Times* 49–55.

Cook, 1] James, ⚓ officer & navig., * 27/10 1728 Marton, † 14/2 1779 Hawaii; to Austral. 68–71, to S. Pacif. 72–75, to S. Pacif. 76–79. /. 2] Eliza, poet. /, * 1818 Southwark. 3] Fredk. Chas., †, * *ca* 1810; Canon of Exeter 64, editor of "Speaker's Commentary." 4] Dutton, nov. & crit. /, * 1832, † 11/9 83.

Cook's Islands, group in S. Pacif. O., discvd. by Cook 1777; 300 s.m., 50,000 inh. Chf. isles: Mangeia, Aitutake, Atiu, Raratonga; Brit. Protect. 20/10 88.

Cooke, 1] Benj., ♛ composer & organist, * *ca.* 1730, † 93; organist of Westminster Abbey. 2] George Fredk., trag. & com. ☺, * 17/4 1755 Westminster; to Amer. 1810, † 26/9 12 New York. 3] Thos., ♛ compsr., * 1781 Dublin, † 1884 London; singer. 4] Wm., * *ca.* 1724 Cork, † 1824 London. /. 5] Edwd. Wm., ⊕, * 1811 London; R.A. 63, F.R.S., † 4/1 80. 6] Sir Wm. Fothergill, anat. & electr., * 1806 Ealing; partner with Wheatstone, constructed 1st Eng. telegraph line 38–39, kntd. 11/11 69, † 25/6 79. 7] John Esten, Amer. ✍ & rom. /, * 3/11 1830 Winchester, Va.

Coolies, Asiatic labourers imported to other countries. Name 1st used 1727.

Coomans, Joseph, ⊕, * 1816 Brussels.

Coomassie, cap. ⊙ Ashantee; destroyed by Brit. 6/2 1874.

Coombe, Wm., /, * 1742, † 1823. "Tour of Dr. Syntax," &c.

Coonda Oil, from meliaceous tree, *carapa guineensis* of Senegal.

Cooper, half stout, half porter.

Cooper, 1] Astley Paston, Sir, anat. & surg., * 1768 Brooke, † 1841 London; created bart. 21. /. 2] James Fenimore, Amer. nov. /, * 15/9 1789 Burlington, N.J., † 14/9 1851 Cooperstown, N.Y. "Spy," "Pilot," "Last of the Mohicans," & 30 others. 3] Saml., ⊕, * 1609 London, † 72. 4] Thos. Sidney, anim. ⊕, * 26/9 1803 Canterbury; R.A. 67. 5] Basil Henry, Indep. †, * 29/6 1819 Maidenhead. / "Life of Cavour" 60, works on Bibl. chron., &c. 6] Peter, Amer. ⊙, mnf. & philanth., * 12/2 1791 New York; built & endowed "Cooper Institute." New York 4/4 83. 7] Thos., Chartist leader, & journ. & poet. /, * 28/3 1805 Leicester; "Purgatory of Suicides" 45, edited *Plain Speaker* 49, "Autobiography" 72. 8] John Gilbert, poet. /, * 1723, † 69. 9] Susan Fenimore, dau. of 2, misc. & poet. /, * 1815.

Cooper's Gold, alloy of copper 16, platinum 17, zinc 1.

Co-ordinates, geom., the distances of a point in a plane in a particular directn. from 2 fixed straight lines in the same plane; their use introduced 1637 by Descartes.

Coorg, distr. of S. Ind., annexed by Brit. 1834; 2,000 s.m., 172,000 inh.

Coot, ornith., 1] Brit. wading bird, *fulica atra.* 2] The guillemot.

Coote, 1] Sir Chas., Brit. genl., * *ca.* 1580; commd. in Ireland, created earl of Mountrath, † ✕ Trim 1648. 2] Sir Eyre, Brit. genl., * 1726 Ireland; served in India, † 1783 at sea.

Copaiba, Copaiva, pharm., oleoresin from *copaifera multijuga* & other *copaifera*; stimulant to mucous membrane; diuretic.

Copal, a gum-resin from *rhus copallinum* of Mexico, made into varnishes. Braz. C is from sevl. species. of *hymenæa* & from *trachylobium martianum.* Ind. C., or gum animi, from *vateria indica.*

Copang, Jap. gld. coin = 18s. 4½d.; half C., of baser metal = 8s. 9½d.; one-eighth C = 1s. 6½d.

Cope, a sacerdotal vestment, resembling a semicircular cloak w. hood, embroidered.

Cope, 1] Chas. West, ●, * 1811 Leeds; R.A. 48, retired.
2] Edward Drinker, Amer. zool. & comp. anat. /, * 1840 Philadelphia.

Copeck, or Kopeck, Russ. coin $=\frac{1}{2}$d. $=\frac{1}{100}$ rouble.

Copenhagen, Kjöbenhavn, cap. ⊙ Denmark, on E. of Isle of Zealand & N. of Isle of Amager; 13 s.m., 240,000 inh.; fnded. 1168. Peace of C. 27/5 1660, ✕ victory of Nelson 2/4 1801, bombd. by Brit. 2–5/9 1807.

Copering, trade carried on w. fishermen at sea, esp. in tobacco & spirits. Sharp prac. in horse-dealg.

Copernicus (Kopernik), Nich., ✱, * 19/2 1473 Thorn, † 24/5 1543 Frauenburg; professor of math. at Rome. / "Revolutions of the Heavenly Bodies," pubd. 1543, &c. Statues at Warsaw & 1853 Thorn. Founder of modern ✱.

Cophetua, myth. Afr. king, who fell in love with & married Penelophon, a beggar-maid.

Copland, James, ✱, * 1793 Orkney, † 12/7 1870. / "Dict. of Pract. Medicine & Pathology."

Copleston, Edward, ✝, * 1776, † 1849; bp. of Llandaff 27. /.

Copley, 1] John Singleton, ●, * 3/7 1737 Boston, U.S.A.; to Eng., R.A. 83. † 1815; father of Lord Lyndhurst. 2] v. Lyndhurst.

Coppée, François, Fr. poet., ☾ & rom. /, * 26/1 1843 Paris.

Copper, a dyad metal. element, symb. Cu; atomic weight 63·5, spec. grav. 8·95, melt. pnt. 1,994°; sometms. occurs native, or w. silver, bismuth, &c. Forms, w. zinc, brass; w. tin, bronze; all salts poisonous.

Copperas, ⊕, melanterite, ♃, Blue C., sulphate of copper; green C., sulphate of iron; white C., sulphate of zinc.

Copperhead, venomous Amer. snake wh. attacks without warning.

Copperheads, in Amer. polit. during Civil War, Northerners who were supposed to be covert friends of the Confederates.

Copping, Edward, journ. & misc. /, * 1828 Lond. Paris corresp. of *Daily Telegraph* 58–59.

Copra, dried kernel of cocoa-nut.

Coprolites, ⚒, fossil dung of extinct animals; Bezoar-stones.

Copts, modern descendants of anct. Egyptians, forming *ca.* $\frac{1}{15}$ of pop. of Egypt; Christians; under Patriarch; numbers decreasing.

Copyhold, ⚒, form of land tenure "by copy of court-roll" at the will of the lord, according to the custom of the manor; can be conveyed only through the lord, who exacts a fine for each transfer; may be converted into freehold by payment of fine to the lord.

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Coquelin, 1] Benoit Constant (*aîné*), com. ☾, * 23/1 1841 Boulogne. 2] Ernest Alex., bro. of 1, com. ☾, * 16/5 1848 Boulogne.

Coquerel, Athan. Josué, Fr. Prot. ✝, * 1820 Amstdam., 25/7 75.

Coquetta Bark, fibrous Cartagena bark, from *cinchona lancifolia*.

Coral Reefs & Islands consist chiefly of stony skeletons of zoophytes. An annular reef is called an atoll. There are also barrier & fringing reefs. Examples: Bermudas, New Hebrides, Society Archipel., New Ireld., Great Barrier Reef. Corals require a temperature of 66°.

Coral-tree, ✱, the leguminous gen. *erythrina*.

Coram, Thos., philanth., * 1668, † 1751; fnded. Foundling Hospital, London.

Coram judice, Lat. = before the judge.

Coranach, lamentatn. for the dead, Ireland & Scotland; a dirge.

Coranto, a quick dance.

Corbet, Rich., † & poet. ⁄, * 1582 Ewell, † 1635; bp. of Oxford 29, of Norwich 32.

Corbould, Edw. Hy., ●, * 5/12 1815 London.

Corcyra, anct. ○, now Corfu.

Corday, M. A. Charlotte d'Armans, Fr. patriot, * 27/7 1768 Normandy; assassd. Marat 13/7 93, guillotined 17/7 93 Paris.

Cordeliers, Fr. branch of Franciscan monks. During revolutn. the C. were a political associatn. opposed to the Jacobins.

Cordilleras, *v.* Andes.

Cordova, or Cordoba, 1] cap. ⊙ of prov. of C., Sp.; cathedral 8th century; ancient cap. ⊙ of Moors; 42,000 inh., pop. of province 390,000. 2] Cap. ⊙ of prov. of C., Argent. Repub., 31,000 inh.; pop. of prov. 215,000.

Corea, kingdom of E. Asia on penins. betw. Yellow S. & Sea of Japan; tribut. to China, 80,000 s.m., 5,000,000 inh.; relig., Buddhism; cap. ⊙ Soul, 250,000 inh.; ⚓ ⊙ Chemulpo. Intercourse opnd. w. U.S.A. 1833, & with Brit. 34.

Corelli, Arcangelo, violinist & composer, * 1653 Fusignano, † 18/1 1713 Rome.

Corfu, anctly. Corcyra, one of Ionian Islands; 227 s.m., 73,000 inh.; olives; cap. ⊙, C., 25,000 inh.

Corge, in Bombay & Bengal = 20; a score.

Coriander, ♣, an umbelliferous plant, *coriandrum sativum;* dried ripe fruit; in ℞ stimulant, carminative.

Corineus, myth., comp. of Brute.

Corinna, Grk. lyr. poetess, 5th cent. B.C.

Corinth, 1] ancient ●, ⊙ on Isthm. of C., Greece; fnded. by Sisyphus, govd. by Tyrants 657–584 B.C., an aristoc. repub., member of Achæan League 243–146, destroyed by Romans 146, rebuilt by Cæsar 46; now Nea-Korinthos, 1,900 inh. 2] ⊙ Mississippi, U.S.A., ✕ 4/10 1862, Confeds. defeated.

Corinthian Brass, alloy of copper, silver, gold.

Coriolanus, C. Martius, anct. Rom. hero, 5th cent. B.C.; conqrd. Volsci, exiled, joined Volsci, appeased by tears of Rom. matrons.

Cork, marit. co., Munster, S.W. Ireland; 2,890 s.m., 492,000 inh., rets. 7 M.P.s: N., N.E., S., S.E., E., W. & Mid.

Cork, ⚓ ⊙, cap. of co. Cork; Prot. & R. Cath. bprics.; 98,000 inh., returns 2 M.P.s.

Cork, Earl of, r. Boyle.

Cork-tree, ♣, cork oak, *quercus suber,* chiefly from Sp.; outer bark very elastic & light. Mountain Cork, ⊖, var. of asbestos.

Corm, ♣, underground stem, like a bulb, but not scaly, *e.g.,* of crocus.

Cormenin, L. M. de la Haie, Viscte., Fr. polit. & ⚖ ⁄, * 1788 Paris; opposed Louis Philippe, president of Council of State 49, † 20/11 66.

Cormorant, ornith., *phalacrocorax carbo* & other specs. of gen. *P.* The Asiatic Fishg C. is *P. sinensis.*

Corn, ♣, generic term for grain used for food: wheat, rye, oats, barley; in U.S., maize. Broom C., a grass, *sorghum dora;* Caffre C., *sorghum saccharatum;* Goose C., a rush, *juncus squamosus;* Guinea C., *sorghum vulgare;* Indian C., maize, *zea mays;* C. Berry, *vaccinium oxycoccos;* C. Bells, flowers of *nidularia campanulata;* C. Binks, C. Bottle, *centaurea cyanus;* C. Campion, C. Cockle, *agrostemma githago;* C. Mint, *mentha arvensis;* C. Mustard, *sinapis arvensis;* C. Parsley, *sison amomum;* C. Poppy, *rosa arvensis;* C. Rose, *papaver rhœas;* C. Salad, lamb's lettuce, *valerianella olitoria;* C. Speedwell, *veronica hederifolia,* or *v. arvensis;* C.

Thistle, *carduus arvensis;* C. Violet, *campanula hybrida.*

Corn-crake, orn., *crex pratensis.*

Corn Laws, laws designed to keep up price of corn; abolished 26/6 1846 & 24/6 69.

Corn-Law Rhymer, The, Ebenezer Elliott.

Corn-moth, entom., *tinea granella.*

Corn-weevil, entom., *calandra granaria,* common in granaries.

Cornaro, 1] Caterina, * 1454 Venice, m. 72 James II. of Cyprus; after his death abdicated, patroness of ♪, † 10 7 1510 Asolo. 2] Luigi, Venetian dietetic ♪, * 1468, † 1566.

Cornea, anat. & opt., transparnt. circ. horny plate in front of the eye.

Corneille, 1] Pierre, Fr. ✍ ♪, * 6/5 1606 Rouen, † 1/10 84 Paris; father of Fr. tragedy, patrd. by Richelieu. *Cid* 36, *Cinna* 39, *Polyeucte* 40, *Menteur.* 2] His bro. Thomas, ✍ ♪, * 20 8 1625, † 8/12 1709 Andelys.

Cornel, ☙, a tree, *cornus sanguinea,* dogwood; seeds yield oil.

Cornelia, dau. of Scipio Africanus, mother of the Gracchi.

Cornelian, ☙, cornel cherry, *cornus mas.*

Cornelius, 1] Peter v., ♛ ●, * 23/9 1783 Düsseldorf, † 6/3 1867 Berlin. 2] Peter, ♛ & ♪, * 24/12 1824 Mayence, † there 24/10 74.

Cornell, Ezra, Amer. financier, * 11/1 1807 Westchester; fnded. & endowed C. Univer. 68, † 31/8 70.

Cornet, formrly. a commissiond. officer in Brit. cav., equal in rank to ensign in infantry.

Cornet-à-piston, ♛, wind instrumt. of metal, with valves by which chromatic scale can be prod.

Corney, Bolton, misc. ♪, * 1784, † 31/8 1870.

Cornish, Robert Kestell, Eng. †, * 1824 Sidmouth; bp. of Madagascar 74.

Cornish, dialect of Celtic, extinct since *ca.* 1790.

Cornish Chough, ornith., a crow, *fregilus graculus.*

Corno di Bassetto, Basset-horn, ♛, sp. of clarionet invented *ca.* 1770.

Corns, thickenings of the cuticle, beneath wh. in time a bag of synovial membrane forms.

Cornstone, ⚒, earthy mottled limestone of Devonian age.

Cornthwaite, Robt., R. Cath. †, * 9 5 1818; bp. of Leeds 61.

Cornucopia, horn of plenty; Amalthæa's Horn.

Cornwall, marit. co. of S.W. England; tin, copper, ⚒, ♂; 1,365 s.m., 330,000 inh.; rets. 6 M.P.s: N.E. (Launceston), S.E. (Bodmin), N.W. (Camborne), W. (St. Ives), Mid (St. Austell), Truro. Chf. ⊙, Truro. The co. was created a Roy. Duchy 1337, & gives title to eldest son of sovereign.

Cornwall, Barry, pseud. of Procter, B. W.

Cornwallis, Charles, Marquis, Brit. genl. & statesm., * 31/12 1738, † 5/10 1805 Ghazepur; deftd. by Amers. 1782, twice Govr.-Genl. of Ind. 86 & 1805, deftd. Tippoo Sahib, Ld.-Lieut. of Ireland 98, British Plenipo. at Peace of Amiens 1802.

Corolla, ☙, the inner whorl of floral envelopes; its leaves are petals; it is gamopetalous (united) or apopetalous (w. distinct petals).

Coromandel Coast, or Cholomandala, sea-coast of E. Ind. from mouth of Kistnah ⅄ to Cape Calimere.

Corona, ☙, an appendage betw. the petals & stamens of some flowers, either cup-shaped or consistg. of single filaments, &c. In ☀, the light surrounding the sun when totally eclipsed.

Corona Borealis, ✶, northern crown, constellatn. betw. Boötes & Hercules.

Coronary Vessels, anat., blood-vessels which supply the heart.

Coronation Chair of kings of Eng. contains a stone on wh. the kings of Ireland were crowned on Hill of Tara. It was removed to Scot. by Fergus, s. of Eric; to

Scone in the 9th cent. by Kenneth; to Westminster by Edward I.

Coroner, in England, Wales, & Ireland, an elective officer who inquires, assisted by a jury, into cases of suspicious death. C. of the Verge is the C. of the Royal Household.

Coronet. Duke's is of strawberry leaves; marquis's, of strawberry leaves & pearls; earl's, of pearls on stalks & of leaves; viscount's, of eight pearls; baron's, of four pearls.

Corot, J. Bapt., landscape ●, * 29/7 1796 Paris, † there 22/2 1875.

Corporal, in Brit. army noncommissioned officer next below sergeant, wears 2 chevrons on sleeve. Lance C. is an assist. C. In navy, Ship's C. is a petty officer under master-at-arms.

Corporation, ⚖, a body formed & authorised to act as a single person, either by prescription, Act of P., or Letters Patent. Municipal C.s in Brit. were formed by Act of 1835. Under this the burgesses elect councillors, who elect mayors for 1, councillors for 3, aldermen for 6 years.

Corps Diplomatique, Fr. = the body of diplomatic representatives connected with a court.

Corps Législatif, the lower ho. of the Fr. legislature; estabd. 24/12 1799, re-estabd. 1807, 1849, 1852; now the Chamb. of Deputies.

Corpus Christi, R. Cath. fest. on Thursday after Trinity Sunday, instituted 1264 by Urban IV. in honour of the Host: the Fête Dieu.

Corpus Christi, or Bene't Coll., Cambridge, founded ca. 1351, rebuilt 1823.

Corpus Christi College, Oxford, fnded. 1516 by Richd. Fox, bp. of Winchester; enlarged 1706.

Corpus Juris Civilis, collectn. of Rom. laws made by Rom. Emp. Justinian 529–33.

Corpuscule, Corpuscle, a little body, esp. one of minute distinct bodies in the blood, red or white.

Correggio (Antonio Allegri), Ital. ●, * 1494 Reggio, † 5/3 1534.

Correlation of Forces, the doctrine that all the forces of nature are interconvertible; announced by W. Grove 1842, accepted as postulate in nat. ⚗.

Corrèze, inland department of Fr.; 2,265 s.m., 313,000 inh. Chf. ⊙, Tulle.

Corrodi, Aug., rom. & ☾ ⁄, * 27/2 1826 Zürich.

Corrosive Sublimate, pharm., mercuric chloride, $HgCl_2$, bichloride of mercury; irritant poison; used externally in skin disease.

Corrugator, anat., muscle wh. contracts skin of forehead.

Corry, 1] Hy. Thos. Lowry-, statesm., * 1803, † 6/3 73, First Ld. of Adm. 2] His s., M. W. L., *v.* Rowton.

Corsica, or Corse, island dept. of Fr., in Mediterr.; ▲ous, chf. peak Cinto, 9,000 ft.; 3,376 s.m., 264,000 inh. Cap. ⊙s: Bastia, Ajaccio. Ced. to Fr. by Genoa 1768; had been independent 1736; previously belonged to Carthage, Rome, Greece, the Goths, the Lombards, the Franks, the Saracens, & the Pisans in turn.

Corsican Moss, ♨, *plocaria helminthocorton*, a vermifuge.

Corsned, mediæval ordeal or test by the consecrated mouthful, which was supposed to choke the guilty.

Corso, racecourse, drive.

Cort, Cornelius, finder. of Brit. iron trade, * 1740; invented rolling mills & furnaces, † 1800.

Cortes, in Sp. & Port., the representative assembly.

Cortes, or Cortez, Hernan, Sp. soldier & adventurer, * 1485 Medellin, † 2/12 1547 nr. Seville; conqd. Mex. 1519–28, discovered penin. of California, finally retd. from Amer. 1540.

Cortex, the outer bark of plants.

Cortona (Pietro Borrettini), ●, * 1/11 1596 Cortona, † 16/5 1669 Rome.

Corundum, ◆, rhombohedral

transpt. min.; an aluminium oxide, incl. sapphire, C. proper, & emery.

Corunna, ⊕ ⚓ ⊙ N.W. Spain; harb.; 42,000 inh.; ✕ 16/1 1809.

Corvette, flush-decked, ship-rigged vessel with one tier of guns.

Corvinniello, method of inlaying metal with mother-of-pearl, &c., invented by Corvin-Wiersbitzki.

Corvinus, v. Raabe, William.

Corvin-Wiersbitzki, O. v., ♛ /, * 12/8 1812 Gumbinnen, † 2/3 86.

Corvisart, Desmarets, Fr. ⚕, * 1755 Dricourt; prof. at Coll. of France 97, † 1821. /.

Corvus, 1] ✕, sm. constellation of S. celest. hemisph., betw. Hydra & Virgo. 2] Ornith., the gen. crow.

Coryat, 1] Geo., Eng. misc. /, † 1600. 2] His s. Thomas, * 1577, † 1617. / "C.'s Crudities" 1611.

Corybantes, 1] Greek myth., children of Apollo, sometimes identified with Curetes & IdæanDactyls. 2] Priests of Rhea in Phrygia.

Coryphæus, the leader of the Greek chorus; a chief.

Coryphée, a ballet-dancer.

Coryza, ⚕, cold in the head.

Cos, anct. name of Turk. island of Stanko or Stanchio, in Turk. archipel.; 24 m. long; fertile, wine, ruins; 11,000 inh. Chf. ⊙, Stanko.

Cosel, Countess, mistr. of Aug. II. of Pol. & Sax., * 1680 Deppenau, † 1765; imprisoned at Stolpe for 45 years.

Cosin, John, Eng. †, * 1594, † 1672; bp. of Durham. /.

Cosmo, 1] I., dk. of Florence & grand-dk. of Tuscany, s. of Giov. de' Medici, † 21/4 1574. 2] v. Medici.

Cossa, Pietro, ◯ /, * 29/1 1834 Rome, † 31/8 81. *Nero, Messalina,* &c.

Cossacks, inhs. of that part of Russ. Emp. bordering on Turk., Pol., & S. Siberia; every male from 16–60 is liable to ✕ serv.; arms & clothes himself & horse. Total number available as soldiers *ca.* 330,000.

Cossmann, Bernh., violoncellist, * 17/5 1822 Dessau.

Costa, Sir Mich., ♪, * 4/2 1810 Naples; to England 30, director of H.M.'s Opera, composer, † 29/4 84. / "Eli" 55, "Naaman" 64.

Costa y Silva, J. M. da, Port. ✓ & crit. /, * 1788 Coimbra, † 1854.

Costa Rica, repub. State of Cent. Amer., with Presdt. & Congress under constitution of 7/12 1871; extends across Isthmus of Darien; 19,985 s.m., 180,000 inh. Rys. 85 m. Cap. ⊙, San José. Income *ca.* £574,000, expenditure *ca.* £592,000, debt *ca.* £4,000,000; army 500 men.

Costard, Geo., class. & math. /, * *ca.* 1710, † 10/1 1782.

Costello, 1] Louisa Stuart, Eng. misc. /, * 1815, † 24/4 70. "Queen Mother" 41, "Clara Fane" 48. 2] Her brother, Dudley, misc. /, * 1803, † 30/9 65.

Coster, or Janszoon, Laurens, * 1370 Haarlem, † 1439. Said by Dutch to have invented printing.

Costetti, Giuseppe, /, * 13/9 1834.

Cosway, Richd., Eng. miniat. ●, * 1740 Tiverton; R.A., † 1821.

Côte-d'Or, Fr. departmt., 3,382 s.m., 380,000 inh.; part of anct. prov. of Burgundy. Cap. ⊙, Dijon.

Cotes, 1] Roger, Eng. math., * 10/7 1682 Burbage, † 5/6 1716. /. 2] Francis, port. ● in crayon, * 1726 London, † 70.

Côtes-du-Nord, dept. of N.W. Fr., on coast; part of old prov. of Brittany; 2,658 s.m., 632,000 inh. Cap. ⊙, St. Brieux.

Cothurnus, the thick-soled boot of the ancient tragic actor.

Cotillon, brisk dance of eight persons.

Cotman, John Sell, ▲ etcher, * *ca.* 1780 Norwich, † 1843.

Coto Bark, from *coutarea speciosa*; yields substit. for quinine.

Cotopaxi, volc. ▲ of Andes in Ecuador, 19,498 feet.

Cotta, 1] J. F., Baron v., publisher, * 27/4 1764 Stuttgart, † 29/12 1832. 2] Heinrich, arboriculturist, * 30/10 1763 near Wasungen,

+ 25/10 1844. ✓. 3] Bernhard v., ⊕ & ⚒, * 24/10 1808 Zillach, + 14/9 79 Freiburg. ✓.

Cottabus, anct. Greek game, consisting of flinging wine at floating objects.

Cottenham, Charles C. Pepys, 1st earl of, Eng. ⚖, * 1781; Q.C. 1826, M.P. 31, Lord Chanc. 36–41, 46–56, viscount & earl 50, + 51.

Cotterill, Henry, †, * 1812 Ampton; bp. of Grahamstown 56, coadj. bp. of Edinburgh 71, bp. of Edinburgh 72; + 10/4 86.

Cottesloe, Thos. F. Fremantle, 1st baron, statesm., * 1798 London; M.P. 1826, Sec. of Treas. 34–35, Sec. for War 44–45, Chief Sec. for Ireland, created peer 74.

Cotteswold Hills, or Cotswolds, betw. Chipping Campden & Bath; highest, Cleeve Hill, 1,134 ft.

Cottin, Sophie Restaud, Fr. nov. ✓, * 1773, + 1808. "Elizabeth; or, the Exiles of Siberia."

Cotton, the fibrous portion of fruit of certain plants of genus *gossypium*, esp. of *G. herbaceum*, *G. religiosum*, *G. barbadense*, *G. indicum*. C. is also obtained from pods of a species of batatas.

Cotton Famine, in Eng., 1862–65, caused by Civil War in Amer.

Cotton-grass, ❀, the genus *eriophorum*; called also C. rush.

Cotton Trade of Great Brit. & Ireland. Persons employed: 1885, 504,069; 1874, 479,515. No. of factories: 1885, 2,635; 1874, 2,655. No. of power-looms: 1885, 560,955; 1874, 463,118. No. of bales imported: 1885, 3,205,010; 1876, 3,583,480. No. of bales exported: 1885, 473,820; 1876, 523,590. Weight of bale, *ca.* 428 lb.

Cotton, 1] Sir Robert Bruce, Ψ, * 22/1 1570 Denton, + 6/5 1631; collected Cottonian Libr. of MSS., now in Brit. Mus. 2] Chas., humor. poet. ✓, * 1630, + 87. "Virgil Travestie;" editor of "Complete Angler." 3] James Sutherland, ✓, * 1847 India; "Imp. Gazetteer of India" (with W. W. Hunter); editor of *Academy* 80. 4] Nath., ✝ & poet. ✓, * 1721, + 88.

Cotyledon, ❀, seed-lobe; part of embryo of a flowering plant. The C.s (one or more) sometimes remain in the earth, & sometimes spring up as the first leaves. Flowerless plnts. without C.s are acotyledons.

Cotytto, Thracian myth., goddess of obscenity.

Couch, Sir Richd., ⚖, * 1817; judge of Bombay High Court 62, Chf. Just. of Bombay 66, Chf. Just. of Calcutta 70–75, member of Jud. Committee of Privy Council.

Couch-grass, ❀, or Creeping Wheat-grass, *triticum repens*.

Couching, ✝, surg. operation for depressing the opaque crystalline lens in cataract.

Coucy, Raoul de, Fr. poet. ✓, 12th cent.

Cougar, zool., the Amer. puma or panther, *felis* or *puma concolor*.

Couleur-de-rose, Fr. = rose-colour; pleasant, fortunate.

Coulomb, Chas. Augustin de, Fr. nat. ⚗ & ⚔ ⊕, * 14/7 1736, + 3/8 1806; investigated laws of electr. & magnetic attraction & repulsion.

Councils. The seven General C.s of the Christian Church: Nice 325, Constantinople 381, Ephesus 431, Chalcedon 451, Constantinople 553, Constantinople 680, Trullo 691, The three last find only partial acceptance. There have since been 12 western Œcumenical C.s which are accepted by the R. Cath. Ch.: Lateran 1123, 1139, 1179, 1215, 1517; Lyons, 1245, 1274; Vienne 1311; Constance 1414; Basil 1431–43; Trent 1545–63; Vatican 1869.

Count, *Comte* (Fr.), *Graf* (Germ.), title of nobility in foreign countries. Countess, wife of an English earl.

Counterpoint, ♪, art of combining melodies.

Counterscarp, ⚔ ⊕, the outer slope of the ditch of a fortification.

Countertenor, ♪, the highest adult male voice; alto.

County, originally an earldom

or count's domain; one of the series of chief administrative divisions of Great Britain, the N. Amer. States, & many British colonies. England with Wales contains 52, Scotland 33, Ireland 32. Durham, Chester, & Lancaster are counties palatine. Some towns (counties of towns) have the privileges of C.s.

County-courts, district courts of ltd. jurisdict. estabd. in England & Wales 1846, espec. for recovery of debts. The jurisdict. includes debts (up to £50), probate (up to £200), admiralty, bankruptcy, &c., subject to appeal.

Coup d'État, Fr. = stroke of state; violent govt. measure to gain a political object, *e.g.* the C. d'É. of 2/12 1851, when Napol. III. seized absolute power.

Coupon, an interest certificate appended to a transferable bond, given for term of years. In Great Brit. each C. requires a 1d. stamp.

Courbet, 1] Gust., Fr. ● & Communist, * 10/6 1819 Ornans, † 31/12 77 Tour de Peilz; destroyed the Colonne Vendôme 71. **2]** A. A. Prosper, Fr. adm., * 28/6 1827 Abbeville; capt. 73, govr. of New Caledonia, nav. commr. in Tonquin 83, took Sontay, bombd. Fuh-choo 28/8 84, † 11/6 85 Pescadores Islds.

Courcelles, village near Metz, 230 inh.; ⚔ 14/8 1870.

Courier, Paul Louis, Fr. schol. & polit. ✓, * 1774, † 1825 Veretz.

Courland, Kurland, a govt. of Russia on Baltic, 10,500 s.m., 622,000 inh. Cap. ⊙, Mitau; formly. under govt. of Poland, annexed to Russia 1795.

Couroucou, ornith., the fam. *trogonidæ*; brilint. birds of tropics.

Court of Session, highest Scot. court of civil judicature; consists of 12 judges; constd. 1532. Chf. of 1st division, the Ld. Presdt.; chf. of 2nd, the Ld. Justice Clerk.

Court-leet, or View of Frankpledge, anct. Eng. court of record; business now generally done at quarter sessions.

Court-martial, ⚓ or ⚔ court of officers specially summoned to try for service offences.

Courtenay, Wm., Eng. †, * *ca.* 1327, † 96; bp. of London 75, archbp. of Cant. 81, attacked Wiclif.

Courtesy Titles, titles ascribed by common consent, but not of right, *e.g.* the eldest s. of an Eng. duke bears the C. T. of marquis; that of an earl, of viscount, &c.

Courtney, Leonard H., polit., * 1832; prof. of polit. econ. London 72–75, M.P. 76, Under Home Sec. 80, Under-Sec. for Cols. 81–82, Fin. Sec. of Treas. 82–85.

Courtray, Kortryk, Belg. ⊙ on Lys, 30,000 inh.; mnfs., ⚔ 11/7 1302.

Cousin, Victor, Fr. eclectic ✍, * 28/11 1792 Paris, † 13/1 1867 Cannes; Min. of Education 1840.

Cousin-Montauban, Charles Guillaume, Ct. Palikao, Fr. genl., * 14/6 1796; commd. in China 1860, vict. at Palikao, Prem. & Min. of War 70, overthrown 4/9, † 8/1 78.

Cousins, children of brothers or sisters, & of brothers or sisters by marriage. A's uncle's or aunt's child, B, is his 1st cousin. B's child, C, is A's 1st cousin once removed. A is C's great-cousin. A's child, D, is C's 2nd cousin. Cousin-german is 1st cousin.

Cousins, Saml., Eng. mezzo-engraver, * 1801; R.A. 55, † 7/5 87.

Coussemaker, Edm. de, ♪ & ♥ ✍, * 19/4 1805 Bailleul, † 10/1 76 Bourbourg. ✓.

Coûte que coûte, Fr. = cost what it may.

Coutts, *v.* Burdett-Coutts.

Couture, Thos., Fr. ●, * 21/12 1815 Senlis, † 13/3 79 Villiers-le-Bel.

Couza, *v.* Alexander.

Covado, measure of length; Port. = *ca.* 28 ins.; Braz. = *ca.* 28¾ ins.

Covenanters, relig. & polit. party in Scot., adherents of the Solemn League & Covenant, a confession origlly. made 1557, revived 1581, revived 1638, revived 1643;

but name genlly. assocd. with the insurrections of Chas. II.'s reign. The C.s were followers of Presbyt. ministers who in 1662 refused to acknow. the bps. & were ejected. They deftd. Claverhouse 1679, but were deftd. by Montrose at ⚔ Bothwell Bridge 22/6 79.

Coventry, ⊙ Warwickshire; 46,600 inh.; rets. 1 M.P.

Coventry Bells, or C. Rapes, ♃, flowers of *campanula medium*, Canterbury Bells.

Coverdale, Miles, Eng. reformr. & translator of Bible, * 1488 Yorkshire, + 1568 London; bp. of Exeter 1551, ejected 53, collaborated with Tyndale; their translation published 1535; Psalms still used in Prayer-book.

Coverture, ⚖, the state of a married woman, or *femme-couvert*.

Covin, ⚖, agreement between persons to the prejudice of another.

Cow, zool., the female of the bovine ox, *bos taurus*. Cow-bird, or C. Banting, ornith., *coccyzus americanus*, yellow-billed cuckoo. Cow-basil, ♃, *saponaria vaccaria*. Cow-cakes, ♃, wild parsnip, *heracleum sphondylium*. Cow-parsley, ♃, *pastinaca* or *anthriscus sylvestris*. Cow-cress, ♃, *lepidium campestre*. Cow-plant, ♃, any milk-yielding plant, esp. *gymnema lactiferum*, Ceylon. Cow-tree, ♃, any milky tree, esp. *brosimum galactodendron*, *tabernæmontana utilis*, & the *ficl*.

Cow-pox, cutaneous disease affecting udder of cow. Transferred to human body by vaccination.

Cowage, Cowhage, Cowitch, ♃, *mucuna pruriens*, or any spec. akin to it.

Cowbane, ♃, umbellif. plant, *cicuta virosa*; dangerous to cows.

Cowen, 1] Fredk. Hymen, ♫ composer, * 29/1 1852 Kingston, Jamaica; to England 56. "Rose Maiden," &c. 2] Joseph, polit. & journ., * 1831; proprietor of *Newcastle Chronicle*, M.P. 74.

Cowie, Wm. Garden, †, * 1831 London; bp. of Auckland, N.Z., 69.

Cowley, 1] Abraham, Eng. poet. ✆ & misc. ✓, * 1618 London, + 1667 Chertsey. 2] Mrs. Hannah, ✆ & poet. ✓, * 1749, + 1809. *Belle's Stratagem* 1780.

Cowley, H. R. C. Wellesley, Earl, Brit. diplomatist; nephew of Dk. of Wellington, * 17/6 1804, s. of 1st Baron C; ambas. to Turkey, Germ. & Fr. 52–67, created Visct. Dangan & Earl 4/4 57, + 15/7 84.

Cowper, 1] Wm., Eng. poet. & misc. ✓, * 26/11 1731 Great Berkhampstead, + 25/4 1800 East Dereham. "Table Talk" 82, "John Gilpin" 82, "Task" 84. 2] Spencer, ⚖, * 1669, + 1728; prosecuted for murder 1699, Judge of Common Pleas 1727. 3] Wm., surg. & anat., * 1666 Bishop's Sutton, + 1710. ✓. 4] Sir Chas., Australian statesman, * 1808 Yorkshire; member of Leg. Counc. of New S. Wales 43, Premier 56, 57–59, 61–63, 65–66, 70, Agent-Genl. in London, † 19/10 75. 5] C.-Temple, *v.* Mount-Temple.

Cowper, Wm., Earl, ⚖, * *ca.* 1664; M.P. 95, Ld.-Chanc. 1707–10, 14–18, created Earl 18, + 23.

Cowry, Cowrie, zool., the molluscous gen. *cypræa*. The Money C. of Pacific, &c., is *cypræa moneta*.

Cowslip, ♃, *primula veris*.

Cox, 1] David, landscape ●, chiefly in water-cols., * 29/4 1783 Birmingham, + 7/6 1859 Harborne. 2] Leonard, gramm., † 1549 Caerleon. 3] Richd., †, * 1499, + 1581; master of Eton, bp. of Ely, one of translators of Bishops' Bible. 4] Sir Richd., Ir. ⚖, * 1650 Bandon, + 1733; Ld.-Chanc. of Ireland 1693–1714. 5] Edwd. Wm., ⚖ & ∴ ✓, * 1809; Serjeant-at-Law 68, fnded. *Law Times*, &c., + 24/11 79. 6] Sir Geo. Wm., myth. & misc. ✓, * 1827. "Mythology of the Aryan Nations" 70, &c., bp. of Natal 86.

7] John Edmund, †, * 1812 Norwich. ✓. "Life of Cranmer," &c.

8] Robt., ⚖ & misc. & Anti-Sabbatarian ✓, * 25/1 1810 near Edinburgh, † 3/2 72. 9] Samuel Sullivan, Amer. polit., * 30/9 1824

Zanisville; member of Cong., held diplom. appointments. ✓.

10] Wm. Sands, surg., • 1802 Birmingham; fnded. Queen's Coll. 80, Queen's Hosp 41. ✓.

Coxe, 1] Wm., travlr. & ✍ ✓, • 1747 London; archdeacon of Wilts, † 1828 Bemerton. 2] Arthur Cleveland, ✝, Prot. bp. of W. New York, • 10/5 1818 Mendham, N.J. ✓ poems, &c. 3] Henry Octavius, bibliog. & Ψ, • 1811; sub-librarian of Bodleian 38, librarian, 60, † 8/7 81.

Coxswain, or Cockswain, ⚓ offir. in charge of boats & boats' crews; one who steers a boat.

Coxwell, Henry Tracey, aeron., • 2/3 1819 Wouldham. ✓.

Coyne, Joseph Sterling, ✆ ✓, • 1805, † 18/7 68. *Black Sheep*, &c.

Coypel, 1] Noel, ●, • 1628, † 1707. 2] His s. Antoine, ●, • 1661, † 1722. 3] His bro. Noel Nic., ●, • 1692, † 1763.

Coypu, zool., a beaver-like S. Amer. mammal, *myopotamus coypu*.

Cr, ♈, symbol for Chromium.

Crab, 1] zool., the ord. of decapod crustaceans, espec. the gen. *cancer*. The eatable C. is *cancer pagurus*; Shore C. *carcinus mænas*; Spider C., the gen. *maia*. C. Lobster, *porcellana*. 2] ♞, crab-apple, *pyrus malus*, orig. of garden apple; Siberian C., *pyrus baccata* or *prunifolia*. 3] ♋, r. Cancer.

Crab-eater, ornith., either of the herons *ardea minuta* or *A. danubialis*.

Crabbe, Geo., Eng. poet. ✓, • 24/12 1754 Aldborough, † 8/2 1832 Trowbridge. "Parish Register."

Cracow, Krakau. Austr. ⊙ Galicia, on Vistula; cap. of anct. kingdom of Poland, annexed to Austr. 1846; university 14th cent., cathed. 14th cent., ⚒s; 77,000 inh.

Craggs, James, Eng. polit.; Sec. for War 1717, Sec. of State 18, accused of fraud, but † 21.

Craig, 1] John, Scot. reformer, • 1511, † 12/12 1600; drew up Nat. Covenant of 1580. 2] Sir Thos., Scot. ⚒ & ✓, • ca. 1537, † 26/2 1608. 3] Sir James Gibson, Scot. ⚒ & polit., • 1765 Edinburgh, † 1850.

Craig-Knox, Isa, Scot. poetess, • 17/10 1831. ✓.

Craik, 1] Geo. Lillie, ✍ & misc. ✓, • 1799 Fifeshire, † 25/6 1866 Belfast. "Pursuit of Knowledge under Difficulties." 2] Georgiana M., nov. ✓. "Sylvia's Choice," "Anne Warwick," &c. 3] Mrs. D. M., *née* Mulock (q.v.).

Cramer, J. Bapt., pian. & ♛ composer, • 24/2 1771 Mannheim, † 16/4 1858 London.

Cramp, spasmod. involuntary contractn. of some of the muscles. Writer's C., chronic malady, result of monotonous action of muscles.

Crampton, 1] Sir Phil., ✠, • 1777 Dublin, † 1858. 2] His s. Sir J. Fiennes T., diplom., • 1807 Dublin; Min. at Washington 52–56, to St. Petersburg 58, to Madrid 60–69, † 5/12 86.

Cranach, 1] Lucas (Sunder), ●, etcher & engraver, • 4/10 1472 Kronach, † 16/10 1553 Weimar; adherent of reformation. 2] His s., L. C. de J., ●, • 1515 Wittenberg, † there 86.

Cranberry, ♞, *vaccinium oxycoccos*, or marsh whortleberry; also other species. Amer. C., r. *macrocarpum*, has larger berries.

Cranbrook, Gathorne Gathorne-Hardy, 1st Viset., Eng. statesm., • 1/10 1814 Bradford; M.P. 56, Presdt. of Poor Law Bd. 66, Home Sec. 67–68, Sec. for War 74–78, Sec. for Ind. 78–80, creatd. peer 78, Presdt. of Council 85–86, 86.

Cranch, Christoph. P., Amer. ● & poet. ✓, • 8/3 1813 Alexandria, Virginia.

Crane, 1] ornith., any bird of the gen. *grus* or fam. *gruidæ*. Common C., *grus cinerea*. 2] ♋, a small southern constellation. 3] ●, a machine for raising or lowering heavy weights by means of arm, chain, & winch.

Crane-fly, any 2-winged fly of gen. *tipula*; the daddy-longlegs.

Cranesbill, ⚘, *geranium.*

Craniometry, measurement of skulls. Average capac. of crania, in cubic inches: Europ. 87, Malay 85, Negro 83, Mongol 82, anct. Egypt. 80, Amer. Ind. 79, anct. Peruv. 75–79. Largest skulls, 110–114; smallest, 46–55.

Cranium, anat., bony case containing the brain; composed of 8 bones: occipital, 2 parietal, frontal, 2 temporal, sphenoid, ethmoid.

Cranmer, Thos., Eng. reformer & †, * 2/7 1489 Aslacton, † at stake 21/3 1556 Oxford; archbp. of Cant. 33, suppressed monasteries, assisted in compilation of Liturgy & 39 Articles, persecuted R. Cathls.

Crannock, anct. Ir. meas. = 8 or 16 pecks.

Cranworth, Robert Monsey Rolfe, 1st Baron, ⚖, * 18/12 1790; Sol.-Genl. 34, Vice-Chanc. 50, Ld. Just. of App. 51, Chanc. 52–58, 65–66, † 26/7 68.

Crapaud, toad; anct. device of kings of Fr. incld. 3 toads; hence Johnny C., nickname for a Frenchman.

Crape, Crêpe, first manufacd. at Boulogne *ca.* 680.

Crashaw, Richd., Eng. poet. ✓, * 1613 London, † 1650 Loreto.

Crassus, 1] M. Licin., Roman statesm., * 114 B.C.; triumvir with Cæsar & Pompey 60, proconsul in Syria, † after the ♂ Carrhæ 53. 2] Luc. Licin., Rom. orator; teacher of Cicero.

Crater, 1] the cup-shapd. mouth of a volcano. 2] In ♈, the Cup, a small constellation of S. celestial hemisphere.

Crates, 1] Athen. com. ☉ ✓, *ca.* 450 B.C. 2] Theban cynic ☄, *ca.* 328 B.C.

Cratippus, peripat. ☄, * *ca.* 100 B.C. Mitylene; friend of Cicero.

Crawfish, or Crayfish, zool., a decapod long-tailed crustacean, *astacus fluviatilis,* of lobster fam., but found in rivers.

Crawford, 1] Thos., ♎, * 22/3 1813 New York. † 16/10 57 London. 2] Quentin, Eng. ♛ ✓, * 1743 Kilwinning, † 1819.

Crawford and Balcarres, 1] Alex. Willm., earl of, art, †, & scientific ✓, * 16/10 1812, † 13/12 80. 2] His s., James Ludovic, earl of, ♈ ✓, * 1847, M.P. 74–80.

Crawley, Capt., pseud. of Pardon, G. F

Crawshay, Richd., ironmaster, * 1741, † 99.

Cream of Tartar, 1] pharm., hydrogen potassium tartarate, obtained from crude tartar or argol, wh. is deposited during grape fermentation. 2] C. of T.-tree, ⚘, *adansonia gregorii,* N. Australia.

Creasote, ⚗ subst. obtaind. by distillatn. of wood; found in woodsmoke; antiseptic.

Creasy, Sir Edward Shepherd, Eng. ⚖ & ♛ ✓, * 1812 Bexley; prof. of ♛ London, Chf. Just. of Ceylon 60, retired, † 27/1 78. "Fifteen Decisive Battles of the World" 51.

Creation. Biblical critics have placed the date of the C. in various years betw. 6984 & 3616 B.C. Geologists place the first appearance of man at a period many thousand years anterior, & the production of the world at a vastly remoter period.

Crebillon, 1] Prosper Jolyot de, ☉ ✓, * 13/1 1674 Dijon, † 17/6 1762 Paris. 2] His s., Claude Prosper Jolyot de (C. *fils*), rom. ✓, * 14/2 1707 Paris, † 12/4 77.

Crèche, a public nursery; first establ. in Eng. 1871 by Mrs. Hilton.

Crécy, or Cressy, Fr. ⊙ Somme; 1,300 inh. ⚔ 26/8 1346, Fr. deftd.

Crédit Foncier, Crédit Mobilier, Fr. financial institutions for facilitating loans. The former requires landed, the latter movable, property as security.

Credo, 1] Lat. = I believe; the creed. 2] ♥, the 3rd part of the Mass.

Creech, Thos., class. schol. & translator, * 1659 Blandford, † by suicide 1701 Oxford.

Creek, in N. Amer., brook or ⚓.

Creeks, or Muskogees, Indians, originally in Georgia & Alabama.

Creepers, ornith., any creeping birds, esp. *certhia familiaris*, little brown C., or birds of fam. *certhidæ*. The bush-creepers are birds of fam. *sylvidæ*; the tree-creepers, of sub-fam. *dendrocolaptinæ*; the Wall C., *tichodroma muraria*.

Crees, Indians on Hudson Bay between Moose ⚓ & L. Athabasca.

Cremation, the process of burning the bodies of the dead; comm. in anct. world, except in China, Egypt, & Judæa. Crematory at Woking, Surrey.

Cremer, 1] Jac. Jan, nov. ✓, * 1/9 1827 Arnheim, † 4/5 80 Hague. 2] Willm. Randall, Radical polit., * 1838, M.P. 85.

Crémieux, Isaac Adolphe, Fr. ⚖ & polit., * 30/4 1796 Nismes, of Jew. parents; Min. of Justice 1830, 70–71, 10/2 80.

Cremona, 1] prov. of N. Italy, 670 s.m., 320,000 inh. 2] Its cap. ⊙, on Po; 32,000 inh. The grt. violin-makers of C. were named Amati, Stradivarius, & Guarnerius.

Creole, in Sp. Amer. & W. Inds., properly, born in tropics of Europ. blood; more loosely, half-caste.

Creosote, creasote (*q.v.*).

Crescendo, ♪, gradual increase of sound.

Crescent, the waxing new moon; symbol of Turk. Emp.; previously the symbol of Byzantium.

Cress, ☘, var. cruciferous plts., *e.g.*, Amer. C. or Belleisle C., *barbarea præcox*; Austral. C. or Golden C., *lepidium sativum*; French C., *barbarea vulgaris*; Wild C., *thlaspi arvense*; Water C., *nasturtium palustre*.

Cresswell, Sir Cresswell, Eng. ⚖, * 1793, † 29/7 1863; M.P. 41, Judge of Comm. Pleas 42, 1st Judge of Div. Court 58.

Cressy, *v.* Crécy.

Creswick, 1] Thos., landscape ●, * 1811 Sheffield; R.A., † 28/12 1869 Bayswater.

Cretaceous System, ⚒, the upper group of rocks of Secondary or Mesozoic Period, above oolite & below Tertiary; consists of Maestricht beds, chalk, chalk marl, upper greensand, gault.

Crete, *v.* Candia.

Cretins, in Alps & Carpathians a semi-idiot race among whom goitre is hereditary.

Creuse, deptmt. in Cent. Fr., formed of old prov. of Marche; 2,150 s.m., 280,000 inh. Cap. ⊙, Gueret. Its chief ⚓ of same name.

Crevasse, a crevice or fissure, especially in a glacier.

Crevant, villg. nr. Auxerre; ✕ 31/7 1423, Fr. deftd. by Eng.

Crévier, J. Bapt., ✍ ✓, * 1693 Paris, † there 1765.

Creyton, Saul, pseud. of Trowbridge, J. T.

Crichton, James (The Admirable), * 1560 Eliock, Dumfries, † by murder 1582 Mantua.

Cricket, Eng. outdoor game; originated in 12th or 13th cent.; word first mentioned 1598.

Cricket, entom., any insect of gen. *acheta*, or tribe *achetina*; wings project behind wing-cases. House C., *A. domestica*, "sings" on hearth; Field C., *A. campestris*.

Cricklade, ⊙ Wiltshire; 5,600 inh.; gives name to N. Parliament division.

Cricoid, anat., resembling in shape a signet ring. C. cartilage, at top of windpipe.

Crimea, anct. ⊙ Taurie Chersonese, a penins. on N. of Black Sea, connected with Europ. Russ. by isthm. of Perekop; area 10,000 s.m. Chief ⊙, Simpheropol.

Crimean War, 1854–56, by Grt. Brit., Fr., Turk., & Sardin. against Russ.; arose from dispute about guardianship of holy places; begun by Russ. 2/7 53, war declared 1/11, Turk. fleet destroyed at Sinope 30/11, Eng. & Fr. allied 10/4 54 w. Turk., landing in Crimea 14/9; ✕ Alma 20/9, ✕ Balaclava 25/10, ✕ Inkerman 5/11, Sebastopol besiegd.,

⚔ Tchernaya 16/8 55. S. assaulted 5/9; evacuatd.; peace signd. 20/3 56.

Crinan Canal, in W. of Argyllshire to shorten distance between Glasgow & Caledonian Canals, 9 m. long, 24 ft. deep.

Cris-cross Row, anct. child's horn-book containing alphabet, &c.

Crispi, Francesco, Ital. statesm., * 4/10 1819 Ribera; ⚒, War Min. in Sicily 48, w. Garibaldi 60, Presdt. of Ital. Chamber 76, Min. of Inter. 77–78, Prem. 87.

Crispin, St., patron of shoemakers; martyred *ca.* 287 Soissons; festival 25/10.

Crith = 0·0896 grammes, the weight of a litre of hydrogen at 0° Centigrade under barom. pressure of 0·76° metres; used as standard of weight for gases.

Croatia (Kroatien or Horvath Orszag) & Slavonia (Slavonien), trans-Leithan prvs. of Aust.-Hung. Emp., under Hung. Diet; 16,773 s.m., 1,850,000 inh. Cap. ⊙, Agram. C. formerly a kingdom; 1st k. 1091.

Crocodile, zool., a reptile, *crocodilus vulgaris*, found in the Nile, &c., *ca.* 25 ft. long. C.s in W. Indies also belong to the genus.

Crocus, ✿, gen. of *iridaceæ*, the root a corm. Yellow C. is *crocus luteus*. Purple or White C. is *c. vernus*. In pharm., saffron. In metallurgy, a polishing powder of peroxide of iron.

Crœsus, last king of Lydia, 560–546 B.C.; conqrd. by Cyrus.

Croft, 1] William, ♛ composer, * 1677 Nether Eatington, † 1727 Westminster; org. of Westminster Abbey. 2] Sir Herbert, misc. ✓, * 1751, † 1816. 3] Herbert, † ✓, * 1603; bp. of Hereford, † 91.

Crofters, occupants of small farms or Crofts in the Highlands, Hebrides, &c. They anctly. held certain common rights, of wh. they have in many cases been gradually deprived.

Croke, 1] Sir George, Eng. ⚒, * 1559, † 1641; Judge of Common Pleas 25, of King's Bench 28. ✓. 2] His bro., Sir John, ⚒ & polit., * 1553, † 1620; M.P. 1585, Speaker 1601, Justice of King's Bench 07.

Croker, 1] John Wilson, polit. & ✓, * 20/12 1780 Galway, † 10/8 1857 Hampton; one of fnders. of *Quarterly Review*, M.P., Sec. of Admlty. 2] Thos. Crofton, ✓ & Ψ, * 1798 Cork, † 1854 London.

Croly, Rev. George, ✓, * 1785 Dublin, † 1860. "Salathiel."

Cromarty, co. of N. Scot., increased 1682, 1685 by additions from co. Ross, w. wh. it now unites to ret. 1 M.P.; pop. of 2 co.s 78,500.

Cromlech, Ψ, a collectn. of large erect stones, *e.g.* at Stonehenge.

Crompton, Samuel, inventor of the spinning-mule, * 3/12 1753 nr. Bolton, † 26/6 1827.

Cromwell, 1] Oliver, Brit. genl. & statesm., s. of Robt. C. & Elizabeth, *née* Stuart; * 25/4 1599 Huntingdon, † 3/9 1658 London; educated at Huntingdon & Cambge., M.P. 1628–29, 40, 41, associated w. Pym & Hampden, joined Parlmt. against king, fought as captain at Edgehill, lieut.-genl. at Marston Moor, signed warrant for executn. of Chas. I., member of Council of State, Ld.-Lieut. of Ireland, vict. at Dunbar & Worcester, refused the Crown, installed as Ld.-Protector 16/12 53. 2] His 3rd s. & successor, Richard, * 4/10 1626; ruled for 7 mos. 58–59, † 1712 Cheshunt. 3] Thos., earl of Essex, Eng. ⚒ & statesman, * *ca.* 1490 Putney; kntd. 31, Sec. of State & Master of Rolls 34, Privy Seal 36, helped to suppress monasteries, created earl, attaintd. & executed 28/7 1540 Tower Hill. 4] Henry, 4th s. of 1, * 1628; entered army 44, colonel 49 in Ireland, M.P., Ld.-Deputy of Ireland 54, † 1674 Soham. 5] Bridget, eldest dau. of 1, * 1624, m. 47 Henry Ireton (*q.v.*), afterwards Chas. Fleetwood (*q.v.*), † 81. 6] Elizabeth, 2nd dau. of 1, * 1629, m. 46 John Claypole, † 58.

Cronstadt, ⚓ & ⊙ on island of Kotlin, G. of Finland, Russ.; chf.

port of St. Petersburg, 3 harbs., icebound for 5 winter mos.; found. 1703 by Peter the Great; 50,000 inhabitants.

Cronstadt Ship Canal, unitg. C. with St. P.; 17 m. long, 180–240 ft. wide, 22ft. deep; opened 27/5 1885.

Crookes, William, nat. ♃ & ☿, spiritualist, • 1832 London; invtd. radiometer, discoveredthallium, &c.

Cropper, James, philanth., • 1773 Winstanley, † 1840 Fearnhead.

Cropredy Bridge, nr. Banbury; ⚔ 29/6 1644, rebs. deftd. by Chas. I.

Croquet, outdoor game; introduced from Fr. to Ireland 1852.

Croquis, Fr. = a rough sketch.

Crore = 10,000,000; genlly. used of rupees.

Crosland, Mrs. Newton, *née* Camilla Toulmin, ♆, misc. & nov. ✓, • 9/6 1812.

Cross. The C. as instrument of punishmt. was shaped either like † (*crux immissa*), X (*C. decussata*), or T (*C. commissa*).

Cross, Richd. Assheton C., 1st Ld., Eng. statesman, • 1823 Red Scar; educated Rugby & Camb., M.P. 57, Home Sec. 74, K.C.B. 80, Home Sec. 85–86., Ind. Sec. 86.

Crossbill, ornith., crossbeak or shell-apple; any bird of sub-fam. *loxinæ*, & especially *L. curvirostra*.

Crossbow, anct. portble. engine, consisting of a bow attached to a stock, for discharging bolts, &c.

Crosse, Andrew, electrician, • 1784 Broomfield, † 1855; discvd. laws of crystallisation.

Crossley, James, misc. & Ψ ✓, • 1800 Halifax, † 3/8 83.

Crotchet, ♩, a note=2 quavers.

Croton, ♃, New York, supplies water to ⊙ New York by aqueduct completed 1842.

Croton, ♃, gen. of *euphorbiaceæ*, esp. *croton tiglium*, from which a fatty acrid oil, usd. asdrastic purg. *C. eleutheria* yields cascarilla.

Crotoy, Fr. village on Somme. Off C. ⚓ ⚔ 1347, Fr. deftd. by Eng.

Croup, disease of children, caused by inflammatn. of upper pt. of wind-pipe & growth of membrane wh. impedes passage of air.

Croupier, holder of the bank in certain games of hazard.

Crow, ornith., any of the fam. *corvidæ*, espec. the rook, *corvus frugilegus*. Carrion or Black C., *C. corone*. Hooded, dun, Royston, or bunting C., *C. cornix*. Laughing C., *garrulax leucolophus*. Piping C., one of the *streperinæ*. Red-legged C., *fregilus graculus*.

Crowberry, ♃, *empetrum nigrum*, w. black berries; Scotland.

Crowd, or Crwth (*q.v.*).

Crowe, 1] Joseph Archer, art ♛ ✓, • 20/10 1825 London; associated w. Cavalcaselle in "A New History of Painting in Italy."

2] Mrs. Catherine, *née* Stevens, nov. ✓, • 1800; "Night Side of Nature" 48, † 76. 3] Eyre, ♛ & genre ☻, • 1824 London.

4] Mrs., *v.* Bateman.

Crowfoot, ♃, *ranunculus acris*, or *R. repens*, or *R. bulbosus*.

Crown, a coin. In Eng.=5s.; in Germ.=10 marks; in Port.=10 milreis; in Denmark, Norway, & Sweden=100 ore. Eng. silver C. piece weighs 436·56 grains.

Crown Glass, glass made by blowg. & whirlg; very hard. Silica 63, potash 22, lime 12, alumina 3.

Crowquill, Alfred, pseud. of Forrester, A. H.

Crowther, Saml. Adjai, †, • ca. 1805 Ochugu, Afr., of Afr. parents; a slave till 1822, ordained, 1st bp. of Niger Terr. 29/6 64.

Croydon, ⊙ Surrey; 88,000 inh., returns 1 M.P.

Croyland, or Crowland, ⊙ Lincolnshire; great abbey fnded. 714, burnt 870, restored, burnt 1091, restored 1112; *v.* Ingulphus.

Cruciferæ, ♃, ord. of hypogynous exogens; crucifers; called by Lindley *Brassicaceæ*; 4-petalled.

Cruden, Alex., • 31/5 1700 Aberdeen, † 1/11 1770 Islington. ✓ "Concordance" to Bible 37.

Cruikshank, 1] Geo., etcher, ☻, & caricaturist, • 27/9 1792

London, † 1/2 1878. 2] Wm. Cumberland, anat., * 1746 Edinburgh, † 1800 Lond.; partnr. of Hunter. ♂.

Crusades, in Mid. Ages expeditions from Christn. lands to obtain possession of holy places from Mahometans. 1st, under G. de Bouillon, 1096–1100; 2nd, under Louis VII. & Emp. Conrad, 1147–49; 3rd, under Rich. I. of Eng. & Phil. Aug. of Fr., 1189–93; 4th, under Baldwin, 1202–4; 5th, under John Brienne, 1217; 6th, under Fredk. II. of Germ., 1228–29; 7th, 1248–54; 8th, 1268–70.

Crusca, Accademia della, a Florentine literary soc., fnded. 1584 by Salviati; publd. Italian dictionary 1612 Venice.

Crust of the Earth, ⚒, the whole series of stratified rocks forming earth's surface; strata 10 miles thick have been upheaved & investigated.

Crustacea, Crustaceans, zool., class of *articulata* (*annulosa*), with jointed limbs; includes crab, lobster, shrimp, barnacles, &c.

Crutched Friars, Trinitarians, wearing a cross on their breasts.

Crux Australis, ✕, the Southern Cross (*q.v.*).

Crwth, 𝄞, ancient 6-stringed violin formerly used in Wales.

Crypt, vaulted chamber beneath a church, generally beneath choir.

Cryptogamia, Cryptogamous Plants, ♣, a Linnæan order incl. *filices, musci, algæ, & fungi;* the thallogens & acrogens.

Crystallography, branch of physical science treating of forms & properties of crystals, wh. are solid bodies w. plane symmetrical surfaces, produced by action of molecular forces, & usually formed by separation from solution, or by sublimation or solidification after fusing. Crystals are classed according to the dimens. & position of their *axes*, imaginary lines uniting opposite edges or angles & intersecting at centre. There are 6 systems, for forms & vars. of wh. *vide* Plate. Two diff. crystals combined according to diff. laws are called *twinned crystals* or *macles.* Bodies wh. crystallise in forms of two diff. systs. are *dimorphous;* two diff. bodies wh. cryst. in same form are *isomorphous;* two diff. bodies wh. cryst. in same two diff. forms are *isodimorphous.*

Crystal Palace, Sydenham; erected out of materials of Great Exhibitn. of 1851, & opend. 10/6 54.

Ctesias, Grk. ☤ ♂, served as ♂ in Persia, 416–399 B.C.

Cu, ♀, symbol of copper.

Cuartilla, Span. meas.; length 145 inches; capacity *ca.* 3 gallons.

Cuba, largest of W. Ind. Islands, possession of Sp.; ▲ous, chief ▲ Tarquino, 8,000 ft.; 780 m. long, 43,220 s.m., 1,400,000 inh. First called Juana, Ferdinandina, or Santiago; discovd. by Columbus 28/10 1492, cold. by his s. Diego 1511. Cap. ⊙ & port, Havana; old cap. ⊙ & port, Santiago di Cuba. Insurrections 1851, 66, 70–78. Govd. by Capt.-Genl. & Colon. Junta of 7.

Cube, or Hexahedron, geom., regular solid body bounded by 6 equal squares. To find solid contents, multiply the height twice by itself, *e.g.* contents of C. of 3 ft. high $= 3 \times 3 \times 3 = 27$ cubic feet. In arith., C. of a number is product of the numb. multipd. twice by itself. The C.-root expresses the reverse relationship, *e.g.* C. of $10 = 10 \times 10 \times 10 = 1{,}000$. C.-root of $1{,}000 = 10$.

Cubeba, ♣, berry of *cubeba officinalis, C. canina,* or *C. wallichii.* The expressed oil used in ♂ for diseases of urinary organs.

Cubit, anct. measure of length. The old Hebr. C. = 21 inches, the later = 18 inches; Roman C. = 17½ inches (?).

Cubitt, 1] Wm., civil ⚙, * 1785 Dilham, † 18/10 1861 Clapham; kntd. 51. 2] His s. Joseph, civil ⚙, * 24/11 1811 Horning; constructed S.E., G.N., L.C.&D. Rys. & new Blackfriars Bdg., † 7/12 72.

Cuca, ♣, coca (*q.v.*).

Cuckoo, ornith., Eng. name of fam. *cuculidæ*, but esp. *cuculus canorus*, common C., which builds no nest, but deposits its eggs in the nest of another bird. C. Bread, C. Sorrel, C. Spice, ♣, *oxalis acetosella*. C. Flower, ♣ Bitter-cress, or Lady's Smock. C. Orchis, ♣, *orchis mascula*. C. Pint, ♣, *arum maculatum*.

Cucumber, ♣, *cucumis sativus*, native of S. Asia & Egypt. Bitter C., *C. colocynthis*; Squirting C., *ecbalium agreste*. C.-tree, *magnolia acuminata* or *M. frazeri*.

Cud, food deposited by ruminants in their first stomach, to be drawn thence & chewed at leisure.

Cuddapah, or Kadapa, dist. of Madras, Brit. Ind.; 8,367 s.m., 1,400,000 inh., chfly. Hindus. Cap. ⊙, C.

Cudlip, Mrs. Pender, r. Thomas, Annie.

Cudweed, ♣, *gnaphalium sylvaticum*.

Cudworth, Ralph, Eng. †, * 1617 Aller, † 1688 Cambridge. /.

Cufic, or Kufic, pertaining to Cufa, ⊙ founded 637 by Omar I.

Cui bono, Lat. = to whose good (is it)? What will it profit?

Cul-de-lampe, Fr. = tail-piece.

Cul-de-sac, Fr. = bottom of a bag; passage closed at further end.

Culilawan, r. Cinnamon.

Cullen, 1] William, ⚕, * 1712 Lanarksh., † 5/2 90. /. 2] Paul, Rom. Cath. †, * *ca.* 1798 Ireland; archbp. of Armagh 50, of Dublin 51, cardinal 66, † 24/10 78.

Culloden, or Drummossie Moor, Scot.; ⚔ 16/4 1746, rebs. defeated.

Culm, hollow stem of grasses.

Culmination, ☀, transit of a celest. body to its highest altitude.

Culotte, Fr. = breeches.

Culverin, anct. piece of artillery, long, 5½-inch bore, 18-lb. shot.

Cum grano salis, Lat. = with a grain of salt; with discriminatn.

Cumberland, N.-W. co. of Eng.; ▲ous, lakes; 1,516 s.m., 251,000 inh.; rets. 4 M.P.s, W. (Egremont), Mid (Penrith), Cockermouth, N. (Eskdale). Chf. ⊙, Carlisle.

Cumberland, 1] Wm. Augustus, dk. of, Eng. genl., s. of Geo. II., * 1721; deftd. at Fontenoy 45, vict. at Culloden 46, deftd. by Fr. at Hartenbeck 26/7 57, † 31/10 65 Windsor. 2] Ernest Aug., 5th s. of Geo. III., * 5/6 1771; created dk. of C. 24/4 99, † 18/11 1851 as k. of Hanover. 3] His s. Geo., k. of Hanover & dk. of C., * 27/5 1819, † 12/6 78. 4] His s. Ernest Augustus George, dk. of C., * 21/9 1845, m. 21/12 78 Thyra, Pcess. of Denmark; claims crown of Hanover. 5] r. Clifford.

Cumberland, 1] Richd., ✆ & nov. /, * 19/2 1732 Cambridge, † 7/5 1811 Tunbridge. 2] Richd., †, * 13/7 1632 London; bp. of Peterborough, † 9/10 1718. /.

Cumbre de Mulahacen, highest ▲ of Sp. Sierra Nevada, 11,678 ft.

Cumbrian Rocks, ⚒, lowest of slaty deposits in Skiddaw, &c.

Cumin, Cummin, ♣, *cuminum*, gen. of *umbelliferæ*. Common C., *C. cyminum*, hot aromatic seeds. Black C. is *nigella sativa*; seeds used in curries. Sweet C., anise.

Cuming, Hugh, conchol., * 1791 W. Alvington, † 1865 London.

Cumming, John, Scot. Presbyt. †, * 10/11 1810 Aberdeensh., prophetic /, † 5/7 81.

Cumulus, r. Cloud.

Cunard, Saml., * 1787 Halifax; founded C. line of trans-Atlantic steamers; bart. 1859, † 28/4 65.

Cuneiform Writing, writing in characters composed of wedge-shaped forms, found on oldest Babylonian & Persian monuments; arrow-headed writing. Earliest deciphered C. inscription dates from *ca.* 2000 B.C.; latest from *ca.* 330 B.C.

Cunningham, 1] Allan, Scot. poet. & misc. /, * 7/12 1784 Blackwood, † 29/10 1842 London. "Lives of Painters, Sculptors, & Architects." 2] Alex., ✠ /, * Ettrick 1654, † 1737 London. 3] Allan, ♣, * 1791 Wimbledon, † 1839 Sydney, New S. Wales. 4] Peter, s. of 1, miscellaneous & crit. /, * 7/4 1816

London, † 18/5 69. 5] His brother Alexander, maj.-genl., ✕ ⊕, * 23/1 1814 Westminster; Ψ; Surv.-Genl. of Ind. 70. / "Ladak," &c.

6] John, poet. /, * 1729, † 73.

Cupid, Rom. myth., s. of Venus & god of love; husb. of Psyche. Greek Eros.

Cupping, surg. operatn. in wh., by means of a partially exhausted glass pressed to the skin, blood is drawn to the surface or is extractd.

Curaçoa, Dutch island in W. Indies; 350 s.m., 24,000 inh. Cap. ⊙, Willemstad. Settled by Span. 16th cent.; taken by Dutch 1632, by Eng. 1798, 1806; restd. to Holl. 1814.

Curaçoa, liqueur from brandy & oranges which grow in C.

Curare, Ourari, or Wourali, arrow-poison of the S. Amers.; said to be an aqueous extract of plant of genus *strychnos*.

Curassow, ornith., large gallinaceous bird, *ourax alector*.

Curate, in Ch. of Eng. assistant licensed clergyman paid by incumbent; removable at will. Perpetual C., a vicar.

Curci, Carlo Maria, Jesuit reformer, * 1810 Naples; opposed Papal claim to infallibility, expelld. from Jes. Ord. 77. /.

Cure-all, ✱, *genum rivale*.

Curetes, priests of Zeus, Crete.

Curfew, ringing of bell as sign for extinction of fires. Obedience ceased to be obligatory 1100 in Eng.

Curia, 1] a divisn. of the orig. Rom. tribes, each of wh. contained 10 curiæ. 2] Public bldg., esp. a law court. 3] The Papal Court.

Curiatii, *v.* Horatii.

Curlew, or Whaup, ornith., a wading bird, *numenius arquatus*, of snipe family.

Curling, outdoor game played on ice with large stones, launched one against another or towards a mark called a tee.

Curragh, The, plain, co. Kildare, Ireland; ✕ camp; 5,000 acres.

Curran, John Philpot, Irish orator, ⚖, & polit., * 24/7 1750 Cork, † 14/10 1817 Brompton; Master of Rolls in Ireland 1806-14.

Currant, ✱, 1] several plants of gen. *ribes*. Red C., *R. rubrum*; White C., a var. of the red; Black C., *R. nigrum*. 2] Fruit of a small Greek grape.

Currency, all that is currently received as money.

Currente calamo, Lat. = with a fluent pen; written off-hand.

Currer Bell, *v.* Bronte.

Curricle, two-wheeled hooded chaise with pole for pair of horses.

Currie, James, ⚕ & misc. /, * 1756, † 1805.

Curry, E. Ind. mode of seasoning dishes of meat, fish, vegetables, &c., with coriander, cumin, pepper, turmeric, cayenne, ginger, &c. The mixed spices are sold as C. powder.

Curtain, ✕ ⊕, part of rampart wh. joins the flanks of two bastions.

Curtis, 1] Geo. Ticknor, Amer. ⚖ /, * 28/11 1812 Watertown, Mass. 2] Geo. Willm., Amer. journ. & misc. /, * 24/2 1824 Providence.

Curtius, 1] Mettus, Rom. hero ca. 362 B.C. 2] Quint. C. Rufus, Rom. ✍ /, 1st cent.

Curtius, 1] Ernst, Ψ, * 2/9 1814 Lubeck; dir. of antiq. at Berlin Mus., made excavations at Olympia. / "History of Greece."

2] His brother Geo., philol., * 16/4 1820 Lübeck. † 85. /.

Curwen, John, * 14/11 1816 Heckmondwike; fnded. Tonic Sol-fa Assoc. 53, † 26/5 80.

Cusack, 1] Jas. Wm., Irish ⚕, * ca. 1791, † 1861 Dublin. 2] Sir Thos., ⚖ & statesm., Chanc. of Exchequ. in Ireland 1535, Ld. Chanc. 50, † 71.

Cushat, ornith., ring-dove, *columba palumbus*.

Cushew, ornith., the galeated curassow, *ourax pauxi*.

Cushing, Caleb, Amer. statesman & ✕, * 1800 Salisbury, Mass.; member of Congress 35, Commissioner to China, Attorney-General 53. † 2/1 79. /.

Cushman, Charlotte Saunders, Amer. tragic ♀, • 23/7 1816 Boston; joined stage 18/4 35, retired 8/11 74, † 18/2 76.

Custard Apple, ♣, the gen. *anona*, esp. *A. reticulata*, a pulpy fruit of W. Indies.

Custer, George A., Amer. genl., • 5/12 1839 New Rumley, Ohio; massd. by Inds. 25/6 76 Montana. /.

Custos Rotulorum, Lat. = Keeper of the Rolls; in Eng. a keeper of the county records. He is Lord-Lieut. of a co.; Clerk of the Peace is his deputy.

Custozza, Ital. villg. nr. Verona; ⚔s 25/7 1848 & 25/6 66.

Cutch, or Kach, native state of Bombay, India; trib. to Britain since 1822; 14,500 s.m., 490,000 inh., governed by Rajah. Cap. ⊙, Bhuj; chief port, Mandvi.

Cutch Gundava, prov. of Beluchistan, under Khan of Khelat; 15,000 s.m., 105,000 inh.

Cutch, Runn of, a salt desert N. & E. of Cutch; 9,000 s.m.

Cuthbert, Eng. monk & saint, 7th cent.; prior of Melrose & Lindisfarne (Holy Island), bp. of Hexham, † Farne 20/3 687. *St. C.'s Beads* are fossil joints of encrinites, anciently used for rosaries.

Cuticle, anat., epidermis, the outer skin (*q.v.*).

Cuttack, distr. of Bengal, Brit. Ind., in Orissa, conquered 1803; rice; 3,858 s.m., 1,500,000 inh. Chf. ⊙, C., on Mahanadi, 52,000 inh.

Cutter, ⚓, 1] single-masted vessel with straight running bowsprit, fore-and-aft main & top-sails & triang. foresail & jib. 2] Man-of-war's boat from 24–28 ft. long.

Cuttle-fish, any cephalopod mollusc, esp. *sepia officinalis*. Its internal calcareous shell or bone is used in the arts.

Cutts, John, Lord, Brit. genl., • *ca.* 1640; com.-in-chf. 1705, † 07.

Cuvier, Georges C. L. F. D., Baron, zool. & comp. anat., • 23/8 1769 Montbelliard, † 13/5 1832 Paris; peer of Fr., originator of modern comp. anat., fnder. of syst. of zool. classification. /.

Cuyp, or Kuyp, Alb., Dutch Indscp. & cattle ●, • 1606 Dort, † 67.

Cuzco, 2nd ⊙ of Peru, formerly cap. of Emp. of Incas; *ca.* 55,000.

Cwt. = hundredweight = 112 lbs.

Cy, or CN, ⚢ symb. of cyanogen.

Cyanogen, ⚢, a comp. radicle, Cy_2, the only comp. which carbon forms with nitrogen; colourless, odorous gas, soluble in water, poisonous, combustible. With hydrogen it forms hydrocyanic or Prussic acid. It is essent. constituent of Prussian blue. Its salts are cyanides & cyanates. Discvd. 1815 by Gay-Lussac.

Cybele, Greek myth., Phrygian name of Rhea, mother of Zeus.

Cyclades, group of islands lying round Delos, in Ægean Sea.

Cyclamen, ♣, sowbread, a gen. of *primulaceæ*.

Cycle, the revolution of a cert. period of time which ends & recommences perpetually. Solar C., or C. of the Sun, is 28 years. Lunar or Metonic C., or C. of the Moon, is 19 years. C. of Indiction is an arbitrary C., introduced *ca.* 312, & is a period of 15 years. Platonic C., or Great Year, is 25,816 (Brahé) or 25,920 (Riccioli) years. Chinese C., 60 years.

Cycloid, 1] geom., curve traced by point in circumf. of a circle as circle rolls along a straight line. 2] Of fish-scales, having rounded edges.

Cyclone, a rotatory storm.

Cyclops, Grk. myth., giant one-eyed shepherds of Sicily who devoured travellers (their chief was Polyphemus); or the assistants of Hephæstus (Vulcan).

Cygnus, the Swan, ✈, constellation in Milky Way.

Cylinder, solid body shaped like a plain uniform pillar. In geom., the solid generated by the rotation of a right-angled parallelogram about one of its sides, which remains fixed.

Cymbeline, Cunobelin, British chf. whose cap. ⊙ was Camulodunum; father of Caractacus.

Cyme, ✱, mode of inflorescence in wh. flowers are more expanded as they near the centre, *e.g.* in columbine & forget-me-not.

Cymodoce, the island of Sark.

Cymry, native name of the Welsh.

Cynics, Greek ⁂s, followers of Antisthenes. Advocated contempt of worldly & sensual enjoyments.

Cynosure, the Dog's Tail, ⚲, the constellation Ursa Minor, wh. contains the Pole Star, to wh. the eyes of seamen naturally turn.

Cynthia, Roman myth., Diana; the moon.

Cypress, ✱, the gen *cupressus*, especially *C. sempervirens.*

Cyprian, St. (Thascius Cæcil. Cyprianus), bp. of Carthage, beheaded 14/9 258. ✓.

Cyprus, Kibris, large island of Mediterr., W. of Syria; 90 m. long, 4,000 s.m., 187,000 inh.; ▲ous, chief ▲ Troödos, 6,500 ft. Cap. ⊙, Nicosia; ports, Larnaca, Famagusta. Anctly. celebd. for worship of Venus. Captd. by Turkey 1571, under tribut. occupation of Great Britain 4/6 1878.

Cyrene, anct. ⊙, Grk. ⊙ in N. Afr., in mod. Barca; founded 631 B.C.; ruins.

Cyril, 1] of Alexandria, St., father of Grk. Ch., bp. of Alexandria 412–44; persecuted Jews; said to have instigated murder of Hypatia. ✓. 2] St., of Jerusalem, father of Greek Ch., bp. of Jerusalem 351–86; opposed Arians. ✓. 3] St., companion of Methodius, apostle of the Slavs, † 14/2 868.

Cyrus, 1] the Grt., or Elder (Kai-Khosru), 6th cent. B.C., fnder. of Pers. monarchy; deposed Astyages, k. of Media; conqd. Assyria, Babyl., pt. of Ind., Syr., Arab., & pt. of Asia Min.; † in ⚔ with the Massagetæ 529 B.C. 2] The Younger, son of Darius Nothus, k. of Pers.; rose against his b. Artaxerxes Memnon; vict., but † at ⚔ Cunaxa 401 B.C.

Cyst, pathol., bag or sac containing morbid matter; the bladder.

Cystitis, ✱, inflammation of the bladder.

Czar, Tsar, a title of Emp. of All the Russias = Kaiser or Cæsar. His consort is styled Czarina.

Czarevitch, or Tsarowitz, title of the eldest s. of the Czar. His consort is called Czarevna.

Czartoryski, 1] Prince Ad. Kasimir, * 1/12 1734; President of Diet of Warsaw 63, † 22/3 1823 Sieniawa. 2] His son Ad. Geo., * 14/1 1770 Warsaw; For. Min., Presdt. of Pol. Govt. 30, emigrated to Paris 31, † there 15/7 61.

Czechs, or Tschechs, a Slavon. race in Bohemia, Moravia, &c. From Czech, their leader in 5th cent.

Czerny, 1] Karl, Austr. ♛ composer, * 21/2 1791 Vienna, † 15/7 1857 there. ✓. 2] Geo., liberator & 1st P. of Servia: * 21/12 1766 Vischevac; swineherd, chief 1804, deftd. Turks 04–11, expelled 13, returned, murd. 17. 3] His son Alexander (*q.v.*) (Karageorgiewitch).

Czuczor, G., poet. & philol. ✓, * 17/12 1800 Andód, † 9/9 66 Pesth.

D.

D, 4th letter of alphabets of Phœnician origin. As Rom. num. = 500, $\bar{D}$ = 5,000. In ♛, 2nd note in scale of c maj., & = Ital. & Fr. *re.* Contraction for doctor, duke, dominus, decimus, decius, divus, &c.; *d.* = denarius or penny. ♁, symbol for didymium.

Da capo, Ital. = from the beginning. ♛, *D.C.* = repeat from commencement; *D.C. al Segno* = repeat from the sign 𝄋; *D.C. al Fine* = repeat, as far as the sign *Fine.*

Dab, ichth., any spec. of the gen *pleuronectes*, esp. *P. limanda.*

Dabchick, ornith., the little grebe, *podiceps minor.*

Dacca, division of Bengal, Brit. Ind., incl. the distrs. Dacca, Faridpur, Bakarganj, Tipperah, Maimansinh; 18,126 s.m., 9,015,000 inh. Distr. of D. on Ganges & Brahmaputra; 2,796 s.m., 1,865,000 inh. Cap. ⊙ of div. & distr., D., anct. Mahom. cap. of Bengal; 72,000 inh.

Dace, ichth., small gregarious ♃ fish, *leuciscus vulgaris*.

Dach, Sim., ♂, * 23/7 1605 Memel, † 15/4 59 Konigsberg; songs.

Dachshund, badger-hound. Has curious short crooked fore-legs.

Dacia, anct. ○, land N. of the Danube, now Transylvania, Wallachia, Moldavia, & Bessarabia; conquered by Roms. 106, by Goths 250.

Dacier, Andre, one of editors of Delphin Classics, * 1651 Castres, † 1722 ♂.

Dacoit, Indian, a gang-robber. Member of a bandit corps.

Dacota, a territ. of U.S.A., N. of Nebraska; formerly pt. of Minnesota; separately organised 1861; 150,000 s.m., 150,000 inh. Cap. ⊙, Bismarck.

Dacres, Sydney Colpoys, Brit. ⚓ offr., * 1805 Totnes; capt. 40; at Sebastopol; Ld. of Admiralty 60, admiral 70, kntd. 65, † 8/3 84.

Dactyl, pros., a foot, – ⏑ ⏑.

Dactylology, art of spelling words with the fingers for the instruction of deaf-mutes. Systems invented by Dalgarno, Bonet, Pereire, Recoing, Deleau, Sicard, Stansbury, &c.

Dactyls, fab. beings connected with worship of Cybele in Phrygia.

Daddy Long-legs, entom., name for var. specs. of crane-fly.

Daedalus, Greek myth., Athen. ♌ & ♏, constructed Cretan labyrinth, made wings & flew from Crete to Cumæ; father of Icarus.

Daffodil, ♨, 1] *narcissus pseudonarcissus*. 2] *Fritillaria meleagris*.

Dagh, Arab. = mountain.

Daghestan, ♈ous govt. of Europ. Russ., betw. Caucasus & Caspian; lead, iron, sulphur ☒; 11,521 s.m., 460,000 inh. Cap. ⊙, Derbend.

Dagobert, name of 3 Frankish kings, 630–715.

Dagon, Syr. myth., possibly the goddess Derceto; figured as a mermaid: a god similarly figured.

Daguerre, L. Jacq. Mandé, Fr. ♏ & nat. ♎, * 18/11 1789 Cormeilles, † 10/7 1851; invntr. of diorama 1822 & of Daguerreotypy 39.

Daguerreotypy, photography by act. of light on silver plate sensitised w. fumes of iodine. The image was developd. by fumes of mercury & fixed with hyposulphite of soda.

Dahlgren, 1] Fred. Aug., poet., ♋, & ♛ ♂, * 20/8 1816.
2] John A., Amer. ⚓ offr., * ca. 1810 Penn.; invntd. D. gun, comd. fleet before Charlestown 63, adml., – 12/7 70.

Dahlia, ♨. gen. of composite plants; 3 specs. are cultivd., *D. superflua*, *D. frustranea*, *D. imperialis* or tree dahlia. Introd. to Eng. 1787.

Dahlmann, Fried. Christ., polit. & ♛ ♂, * 13/5 1785 Wismar, † 5/12 1860 Bonn.

Dahomey, kingdom of W. Afr., betw. Gold Coast & Lagos; 14,200 s.m., 180,000 inh. Cap. ⊙, Abomey.

Daillé, Jean, Fr. Prot. † ♂, * 1594 Chatelherault, † 1670 Paris.

Daily Chronicle, London Lib. daily paper, established 1846, improved 76; editor, R. W. Boyle 77.

Daily News, London Lib. daily paper, first published 21/1 1846; editors, Chas. Dickens 46, F. H. Hill 70–86, H. W. Lucy 86, J. R. Robinson 87.

Daily Telegraph, London Lib. daily paper, first pubd. 29/6 1855.

Daimios, Japan. hered. feudal princes, 264 in number.

Daisy, ♨, Eng. name of gen. *bellis*, esp. *B. perennis*; Big, Midsummer, Ox-eye, Dog, or Horse D., *chrysanthemum leucanthemum*; Blue or Michaels. D., *aster tripolium*; Ewe D., *potentilla tormentilla*; Marsh or Sea D., *armeria maritima*.

Dakota, Dacota (q.v.).

Dalai Lama, a relig. chf. of Buddhists at Lhassa, supposed to be

a re-incarnation of Buddha; holds some temporal authority in Thibet.

Dalberg, Karl Theod., Baron v., * 8/2 1744 Hernsheim; prince of the Confed. of the Rhine 1806, Grand Dk. of Frankfort 10, bp. of Regensburg 13, † 10/2 17.

D'Albert, Charles, ♪ composer, * 1815 near Hamburg; dance music, † 26/5 86.

Dalby, Isaac, math., * 1744 Glo'stershire, † 1824 Farnham. ✓.

Dale, 1] David, * 1739 Ayrsh., † 1806; introduced Arkwright's mills into Scot. 2] Thos., poet. ✓, * 22/8 1797; canon of St. Paul's 43, † 14/5 70. 3] Robt. Wm., Indept. †, * 1/12 1829. ✓.

D'Alembert, Jean le Rond, Fr. math. & ♫, * 1717 Paris, † 83. ✓.

Dalgarno, Geo., inventor of a system of dactylology from which present Eng. system is derived, * *ca.* 1617 Old Aberdeen, † 28/8 87. ✓ "Ars Signorum" 61.

Dalhousie, 1] James And. Brown-Ramsay, marquis of, Brit. statesm., * 1812, † 60; Govr.-Genl. of Ind. 47–56, created marquis 49. 2] George Ramsay, 9th E. of, Brit. genl., * 1770; served in Egypt & Penins., † 1838. 3] Fox Maule Ramsay, 11th E. of, Brit. statesm., * 22/4 1801; M.P. 35, Under Home Sec., Vice-presdt. of Bd. of Trade 41, Sec. for War 46–52, 55–58, Presdt. of Bd. of Control 52, † 6/7 74. 4] John Wm. Ramsay, 13th E. of, statesm., * 1847; suc. 80, Sec. for Scotland 86, † 25/11 87.

Dalin, Olof v., Swedish ✓ & statesm., * 29/8 1707, † 12/8 63.

Dallas, 1] Alex. James, Amer. statesm., * 1759 Jamaica; Fin. Sec. of U.S. 1814, War Sec. 15; † 17. ✓. 2] Sir George, polit. ✓, * 1758, † 1833. 3] Geo. Mifflin, American dipl. & ✓, * 10/7 1792 Philadelphia; Vice-presdt. 45, Min. to Eng. 56–61; † 31/12 64. 4] Robert Chas., nov. & biog. ✓, * 1754 Jamaica; † 1824.

Dallaway, James, Ψ & herald. ✓, * 1763, † 1834.

Dalling, Lord, *v.* Bulwer.

Dallington, Sir Robt., travlr., * 1560, † 1637; Master of Charterhouse 1624. ✓.

Dalmatia, province of Austr.-Hung., on Adriat., incldg. islands; anctly. indept. kngdm.; ▲ous; 4,940 s.m., 472,000 inh. Cap. ⊙, Zara.

Dalmatic, long-sleeved vestment of deacons of R. Cath. Ch.

Dalriada, 1] N. part of co. Antrim. 2] Part of Argyllshire.

Dalrymple, 1] James, Viscount Stair, * 1619 Dummerchie; Presdt. of Court of Session 71–81, peer 90, † 23/11 95. ✓. 2] His grandson, John, 2nd E. of Stair, genl. & dipl., * 20/7 1673 Edinburgh; Ambass. to Fr. 1715–20, † 9/5 47. 3] David, Lord Hailes, Scot. ⚖ & Ψ, * 28/10 1726 Edinburgh; Ld. of Justiciary, antiq., † 29/11 92. ✓. 4] Alex., hydrog., * 24/7 1737 New Hailes, † 19/6 1808; 1st hydrog. to the Admiralty 1795–1808. ✓. 5] Sir Hew Whiteford, Brit. genl., * 1750, † 1830; commd. in Portugal 1808.

D'Alton, John, Irish Ψ & geneal. ✓, * 1792, † 20/1 1867.

Dalton, 1] John, math. & ♃, * 5/7 1766 Eaglesfield, † 27/7 1844 Manchester; propounder of the Atomic Theory. ✓. Statue at Manchester. 2] Jno. Call, Amer. physiol. & ✓, * 2/2 1825 Chelmsford, Mass.

Daltonism, colour-blindness, esp. deficiency of the sense of red, which is mistaken for green; from J. Dalton, who was thus affected.

Dalyell, Sir Jno. Graham, Scot. Ψ, * *ca.* 1768, † 1851. ✓.

Dalzell, Andrew, Greek scholar, * *ca.* 1750 Ratho, † 1806. ✓.

Dalziel, Thos., genl., * *ca.* 1608; served Chas. I., the Russ., & Chas. II., commd. in Scot. 65, † *ca.* 85.

Dam, 1] Ind. coin = $\frac{3}{160}$ of a penny: hence "Don't care a dam." 2] A crowned man in draughts.

Daman, *v.* Damaun.

Damaras, people of S.-W. Afr.; divid. into Cattle D. or Ovahererros, & Hill D. or Hankoins. Extent of Damaraland *ca.* 170,000 s.m.

Damascenus, Johannes (Mansur), Christ. monk of Jerusalem, 8th cent.; ✓ on † of Grk. Church.

Damascus, ancient ⊙, cap. of Syria, on Barada (Abana), at foot of Anti-Libanus ⛰; 150,000 inh.; massacre of Christs. 10/7 1860. ♨: Rom. 64 B.C., taken by Omar 632, Turkish since 1516.

Damask, figured silk or linen cloth, origlly. made in Damascus, but made in England after 1567.

Damaskeening, adornment of metals by inlaying gold & silver.

Damasus, name of 2 Popes. 1] I., St., 366–84. 2] II. (Poppo), 1048–49.

Damaun, or Daman, Portug. ⚓ ⊙ of N. India, 22 s.m., 6,000 inh.

Dame, Fr., in chess the queen. *Dames*, draughts.

Damer, Anne Seymour, *née* Conway, ♀, • 1748, † 1828 London.

Damiani, Pietro, Card., • 1007 Ravenne; bp. of Ostia, † 72 Faenza

Damiens, Robt. Franç., • 1715 near Arras; executed 5/1 1757 for attempt to assass. Louis XV.

Damn, *v.* Dam, 1.

Damocles, a courtier of Syracuse, who by Dionysius the Elder was made to sit at a feast where he saw above him a sword suspended by a single hair.

Damon, a Syracusan who desired to suffer for his friend Pythias.

Dampier, Wm., Eng. navigator, • 1652 East Coker, † *ca* 1712. ✓.

Damrosch, Leop., ♛ & composer, • 22/10 1832 Posen; director of Arion Soc., New York, † 10/2 85.

Damson, ♣, *prunus communis*, var. *damascena*. Bitter D., *simaruba amara*; Wild D., the sloe.

Dana, 1] Richard Henry, Amer. poet. & nov. ✓, • 15/11 1787 Cambridge, Mass.; "Buccaneer" 27, † 2/2 1879. 2] His s. Rich. Hy., jour., ⚖, & nov. ✓, • 1/8 1815, Camb., Mass.; "Two Years before the Mast" 40, &c.; † 6/1 82. 3] Chas. Anderson, Amer. journ. ✓, • 8/8 1819 Hinsdale, New Hampshire; edited "New Amer. Cyclopædia," Asst.-Sec. for War, edited Chicago *Republican* 66–67, New York *Sun* 68. 4] James Dwight, Amer. naturalist & ✓, • 12/2 1813 Utica; "Mineralogy" 37, prof. at Yale 50, "Manual of Geology" 62, "Corals" 72.

Danaë, Grk. myth., dau. of Acrisius, & moth. by Zeus, who wooed in a shower of gold, of Perseus.

Danai, name of the Greeks in heroic times.

Danaides, Grk. myth., 50 daus. of Danaus, who killed their husbs., sons of Ægyptus, and were fated to everlastingly pour water in a sieve.

Danakils, Abyss. coast nomads.

Danaus, Greek myth., son of Belus, k. of Tyre; fled to Argos, where he was elected king.

Danbury Newsman, The, pseud. of Bailey, J. M.

Danby, 1] Francis, ●, • 1793 Wexford, † 1861; A.R.A. 2] Thos. Osborne, E. of, r. Leeds, Dk. of.

Dandelion, ♣, *taraxacum dens leonis* or *officinale*, used in ✗; r. Taraxacum.

Dandolo, Enrico, Venetian genl. & statesm., • *ca.* 1108; elected Doge 92; though blind, assisted at attack & taking of Constantinople 1204, refused imperial crown. † 1/6 1205; founder of marit. power of Venice. There were 3 other Doges named D.

Dandy-rigged, ⚓ sloop or cutter rigged abaft, w. jigger-mast for mizzen lug-sail.

Danegelt, tax imposed by Ang.-Saxs. to maintain resistance to the Danes or to supply them with tribute, but retained till reign of Stephen: 1–2 shillings on each hide of non-eccles. land.

Danelagh, the part of Brit. subject to Dan. influence 787–1066.

Danes'-weed, ♣, *eryngium campestre*. Danes' Blood, or D. Flower, *anemone pulsatilla*.

Daniel, title of proph. book of Old Test., thought by some critics to have been written *ca.* 160 B.C.

Daniel, 1] Saml., Eng. poet. ✓, • 1562 Somersetshire, † 1619. 2]

Herm. Adelbert, ⊙, * 18/11 1812 Köthen, † 13/9 71 Leipzig. ✓.

Daniell, 1] John Fredk., ♃ & meteorol., * 1790 London, † 1845; invented new hydrometer, D. Battery, &c. ✓. 2] Thos., ⊕, * 1750; to India 84, R.A., † 1840.

Danilo Pietrowitch Njegosch, P. of Montenegro, * 1826; suc. 51, murdered 60 at Cattaro.

Danites, a Mormon organisatn. for destroying the Gentiles, established 1837.

Dannebrog, the anct. flag of Denmark; *v.* Orders.

Danner, Louise C., Countess, *née* Rasmussen, * 21/4 1814 Koph; dancer, mistr. & 50 morganat. wife of Ferd. VII. of Denmark, countess 55, † 6/3 71 Genoa.

Dante (Durante) Alighieri, misc. ✓, greatest of Ital. poet. ✓s, * 1265 Florence, † 14/9 1321 Ravenna. "La Divina Commedia," "De Monarchia," "La Vita Nuova."

Danton, Geo. Jacq., Fr. revolut., * 26/10 1759 Arcis-sur-Aube, guillotined 5/4 94.

Danube (Germ. Donau), ⚓ of Central Europe, rising in Black Forest; flows to Black Sea, 1,795 m.; drains *ca.* 350,000 s.m.; partly frozen in winter.

Danubian Principalities, Moldavia & Wallachia, now united as kingdom of Roumania (*q.v.*).

Daphne, Gk. myth., nymph lovd. by Apollo & turned to a laurel.

Daphnis, class. myth., a swain, *for his infidelity changed to stone.*

Dapsang, highest peak of Karakorum ⛰, 27,955 feet.

Dâr, in Nubian langs. = land.

D'Arblay, Mme., *v.* Burney.

Darboy, Georges, Fr. †, * 16/1 1813; archbp. of Paris 63, shot by the Communists 27/5 71 Paris.

D'Arcet's Metal, alloy of tin 3, lead 5, bismuth 8; melts at 203°.

Dardanelles, anctly. Hellespont, strait betw. Europe & Asia connectg. Grk. Archipel. w. Sea of Marmora, ¼–2 m. wide; ⚒s; passed by Adm. Duckworth 17/1 & 1/3 1807.

Dardanus, Grk. myth., son of *Zeus* & *Electra*; crossed on bladders to Asia & fnded. ⊙ Dardania, whence sprang Troy.

Darfur, land S.W. of Nubia; 100,000 s.m., 5,000,000 inh.; conqrd. & annxd. by Egypt 1874, but now independent. Cap. ⊙, Fasher.

Dargan, Wm., rlwy. ⚒, * 1799 Carlow, † 7/2 1867 Dublin.

Daric, *Stater Doricus,* anct. Pers. gold coin, value *ca.* 25s., weight 128 grs. Silver D. weighed 228–236 grs.; smaller silver D., 84 grs.

Darien, Isthmus of, *v.* Panama.

Darien Company, fnded. 1694 by Robt. Patterson to open trade w. Central America; dissolved 99.

Darimon, Alfred, Fr. journ. ✓, * 17/12 1819 Lille; edited *Le Peuple* 50.

Darius (Darawesh), 3 kings of Persia. 1] I., son of Hystaspes (Gushtasp), reigned 521–485 B.C.; invd. Greece, deftd. at ⚔ Marathon 490. 2] II., Nothus, son of Artaxerxes Longimanus, reigned 424–405 B.C. 3] III., Codomannus, reigned 336–331 B.C.; defeated by Alexander at ⚔s Issus 333 & Arbela 331, assassinated by Bessus: last king of Persia.

Darjiling, or Darjeeling, distr. of Bengal, Brit. India, at foot of Himalaya ⛰; 1,234 *s.m.,* 100,000 inh. Cap. ⊙, D., 7,167 ft. above sea; acquired by Brit. 1835; summer seat of Lieut.-Govr. of Bengal; 8,500 inh.

Dark Ages, Middle Ages, 476–1495.

Darley, 1] Felix O. C., American ⊕, * 23/6 1822 Philadelphia. 2] Geo., poet. & misc. ✓, * *ca.* 1800, † 46.

Darling, Grace, * 24/11 1815 Bamborough, † 20/10 42; dau. of Farne lighthouse keeper; saved crew of *Forfarshire* 7/9 38.

Darling, Austral. ⚓, affluent of Murray, 1,200 m.

Darlington, ⊕ Durham; muf wool, machinery, ⚒; 35,000 inh.; rets. 1 M.P.; first rlwy. in Eng.

Darlington, Charlotte Soph. Kilmansegge, Ctess. of, mistress of George I., * *ca.* 1696, † 1780.

Darmstadt, cap. ⊙ Hesse-D., Germany; 50,000 inh.

Darnel, ♃, a grass, *lolium tenulentum.* Red D., *L. perenne.*

Darnley, Henry Stewart, E. of, * 1546; m. 29/7 65 Mary Q. of Scots; blown up at Kirk o' Field 10/2 1567.

Darter, ornith., genus of web-footed birds, including snake-bird, *plotus melanogaster.*

Dartford Blue, a Brit. butterfly, *polyommatus corydon.* Dartford warbler, ornith., *sylvia provincialis.*

Dartmoor, distr. in W. Devonshire, *ca.* 200 s.m.; moor; convict prison built 1806.

Dartmouth, Willm. Legge, 1st earl of, statesm., * 1672, † 1750; Sec. of State 1710, Privy Seal 14.

Daru, 1] Pierre Ant., statesm. & ✓, * 12/1 1767 Montpellier; diplom. under Napol., peer 1818, † 5/9 29. 2] His son Napoleon, * 1807; For. Min. 70, senator 76–79.

Darwin, 1] Chas. Robt., naturalist, * 12/2 1809 Shrewsbury, † Down, Kent, 19/4 82; educated Shrewsbury, Edinburgh, Camb.; cruised w. the *Beagle* 31–36. ✓ "Voyage of a Naturalist" 37, "Coral Reefs" 42, "Origin of Species" 59, "Descent of Man" 71, "Expressions & Emotions in Men & Animals" 72, "Insectivorous Pits." 75, "Worms" 82, &c.; originatd. doctr. of natural selection; buried in Westminster Abbey. 2] His grd.-father, Erasmus, ♃ & poet. ✓, * 12/12 1731 Elton, † 18/8 1802 Derby. "Botanic Garden" 91, "Zoonomia" 94–96.

Darwinian Theory, theory set forth by C. Darwin's "Origin of Species" (1859), that the diversities of plants & animals originally sprang from very few primal forms, & that casual diversities were gradually accentuated & perpetuated in accordance w. laws of natural selection & the survival of the fittest.

Daschkow, Catharine, Pcess., * 28/3 1743, confidante of Empress Cathar. II., † 26/1 1810 St. Petersburg; directr. of Acad. of Sc. 1782, presdt. of new Russian Acad. 84.

Dasent, Sir Geo. Webbe, philol. & misc. ✓, * *ca.* 1818; Education Commsnr. 70, kntd. 76.

Dashwood, Francis, 1st Baron le de Spencer, Chanc. of Exchcq., † 1781.

Data, Lat. = given points of information.

Date, ♃, fruit of Date-Palm, *phœnix dactylifera,* or other specs. of *P.*

Datura, ♃, a gen. of *solanaceæ,* incldg. *D. stramonium,* thorn-apple, used in ♃ for convulsions, &c. When smoked, it is good in asthma.

Daubenton, Louis J. M., Fr. naturalist, * 29/5 1716 Montbard, † 31/12 99. ✓.

Daubeny, Chas. G. Bridle, ♃, ♂, & ✓, * 1795, † 12/12 1867. ✓.

D'Aubigné, J. Henri Merle, Swiss Prot. ✝ & ✓; * 16/8 1798 Eaux-Vives, Geneva, † 20/10 1872.

Daubigny, Ch. Franç., landscp. ● & engraver, * 15/2 1817 Paris, † there 19/2 78.

Daudet, 1] Alphonse, nov. ✓, * 13/5 1840 Nismes. "Fromont Jeune et Risler Aine," "Jack," &c. 2] His broth., Ernest, nov. ✓, * 31/5 1837 Paris.

Daumer, Fried., German ♗ & poet. ✓, * 5/3 1800, † 14/12 75.

Daun, Leop. Joseph, Ct., Austr. marsh., * 25/10 1705 Vienna; vict. ⚔ Kolin 57, ⚔ Hochdorf 58, deftd. ⚔ Torgau 60; War Min. 62, † 5/2 66.

Dauphin, lord of Dauphiné; title of heir to Fr. crown 1349–1830.

Dauphiné, anct. prov. of S.E. Fr., incldg. mod. depts. of Isère, Drôme, Htes. Alpes; independt. or Germ. until 1349. Chief ⊙s, Grenoble, Vienne.

Davenant, Sir Willm., poet. & ✓, said to have been nat. son of Shakespeare, * 1605 Oxford, † 7/4 68 London; knighted 43.

Davenport, 1] Christopher (Franc. à Sancta Clara), Jesuit, *

1598, † 1680. 2] His b., John, Puritan †, * 1597, † 1670 Boston, U.S.A.

Davenport Brothers, The, two Amer. spirit. impostors whose frauds were exposed in 1865.

Davey, Horace, ⚖, * 1833; Sol.-Genl. & kntd. 86.

David, 1] 2nd Hebrew king; of Judah *ca.* 1040 B.C., of all Israel *ca.* 1033, † *ca.* 1000. 2] I., k. of Scot., suc. 1124, † 1153 Carlisle; deftd. by Stephen at ✕ Northallerton 38. 3] II., k. of Scot., son of Robert Bruce, * 1324, † 71.

David, 1] Jacq. Louis, Fr. 🖌 ●, * 31/8 1748 Paris, † 29/12 1825 Paris. 2] Pierre Jean, called D. d'Angers, ◯, * 12/3 1789, † 5/1 1856 Paris. 3] Ferd., violinist, * 19/1 1810, † 18/7 73. 4] Felicien C., ♛ composer, * 8/3 1810 Cadenet, † 29/8 76 St. Germain. *Désert* 44, *Lalla Rookh* 62. 5] Jérome F. P., Baron, statesman, grandson of 1, * 30/6 1823; V.-presdt. of Corps Législat. 67–69, Min. of Pub. Works 70, † 29/1 82.

David, or Dewi, St., patron of Wales, * 6th cent. Menavia (St. David's); bp. of Caerleon & St. David's; shrine at St. D.'s Fest. 1/3.

Davidson, 1] Saml., Congregat. † & critical /, * 1807 Ballymena. 2] Thos., ⚒ and palæontologist, * 17/5 1817 Edinburgh, † 16/10 85. 3] Lucretia Maria, Amer. poet. /, * 1808, † 1825. 4] Her sistr., Margaret Miller, juven. poet. /, * 1823, † 38. 5] John, traveller, * *ca.* 1799, † 1836 Africa.

Davies, 1] Sir John, Eng. ⚖, poet. & misc. /, Chf. Just. of Ireland, * 1569 Tisbury, † 1626. 2] Benj., orientalist, * 26/2 1814 near Llanboidy, † 19/7 75. 3] Charles, Amer. math., * 22/1 1798 Washington, Conn., † 18/9 76. /. 4] Rev. John Llewelyn, † & misc. /, * 20/2 1826 Chichester.

5] Thos., /, ◯, & bookseller, * 1712, † 85. 6] Saml., Amer. Presbyt. †, * 1724 Newcastle, Del., † 61. /.

Davis, 1] John, Eng. navigator, * 1560 Devonsh., † 27/12 1605; discovered E. coast of Greenland 1586, & Falkland Islands 92. /. 2] Jefferson, Amer. statesm., * 3/6 1808 Kentucky; Minister of War 53–57, Presdt. of Confed. States 4/2 61, taken prisoner 10/5 65 Irwinsville, released 67, amnestied 25/12 68. 3] And. Jackson, Amer. spiritualist /, * 11/8 1826 Blooming Grove. 4] Chas. Henry, Amer. ⚓ & math., * 16/1 1807; editor of Amer. Nautical Almanac 49–56, commd. Mississippi flotilla 62–63, rear-adml. 63, superintendent of Nat. Observ. 65, † 10/11 76. /. 5] Edwin Hamilton, Amer. Ψ, * 22/1 1811 Ohio. /.

6] H. Wm. Banks, Eng. animal ●, * 26/8 1833 Finchley; A.R.A. 73, R.A. 77.

7] Nathan, Afr. travlr. & /, * *ca.* 1812. 8] Thos. Osborne, Irish polit. & /, * 1814 Mallow, † 45 Dublin. 9] Mary (Moll), nat. d. of E. of Berks.; mistr. of Chas. II., m. of Countess of Derwentwater.

Davis Strait, betw. N. Amer. & Greenland; discvd. by J. D. 1586.

Davison, 1] James W., ♛ crit. /, * 1814, † 24/3 85; m. Arabella Goddard 60, mus. crit. of *Times*, edited *Musical World*. 2] Willm., diplom., * *ca.* 1547; to Holl. 75, 79, 83, Sec. of State 86, disgraced 87, † 1608.

Davitt, Michael, Irish polit. & agitator, * 1846 Straide; imprisond. for Fenianism; fnded. Land League; again imprisoned.

Davoust, Louis Nic., Fr. marsh., * 10/5 1770 Annoux; genl. of div. 1800, Dk. of Auerstadt, P. of Eckmuhl, peer 19, † 1/6 23.

Davy, Sir Humphrey, Eng. ⚗ & nat. ⚘, * 17/12 1778 Penzance, † 29/5 1829 Geneva; invented safety lamp, &c.; bart. 1818, president of Royal Society 20; first decomposed chemical compounds by means of electric current; thus prepared sodium, potassium, &c.; discovd. properties of nitrous oxide. /.

Dawe, Geo., portrait ●, * 1781, † 1829; R.A.

Dawes, Sir William, †, * 1671,

† 1724; bp. of Chester, archbp. of York.

Dawkins, William Boyd, ⚒ & osteol., * 26/12 1838 Buttington; prof. at Manchester 74. /.

Dawson, 1] Geo., Indept. † & lecturer, * 1821 London; edited Birmingham *Morning News* 71, † 30/11 76. 2] John Willm., Canad. ⚒ & naturalist; /, * 1820 Nova Scotia; principal of Montreal University.

Day, 1] John, poet. & ⊙ /, * ca. 1582, † ca. 1660. 2] Thos., /, * 1748, † 89. "Sandford & Merton" 83–89. 3] John, Eng. typog., * 1522 Dunwich, † 84.

Day-fly, entom., pop. name for any insect of gen. *ephemera*.

Day-lily, ❀, the gen. *hemerocallis*.

D.D. = Lat. *divinitatis doctor*, Doctor of Divinity.

De, Lat. = fm., of, out of. *De facto*, actually; *de profundis*, out of the depths (1st wrds. Ps. cxxx.); *de jure*, lawfly.; *de novo*, fm. the begng., &c.

Dea Nettle, ❀, var. specs. of *lamium*; also *galeopsis versicolor* & *stachys palustris*.

Deacon, in Ch. of Eng., one of the lower order of clergy, who assists a priest, but cannot hold a benefice or pronounce absolution. He is ord. D. as prelim. to ordination as priest. This applies also to R. Cath. Ch. In Nonconf. Chs., D. is a layman & assists minister.

Dead-nettle, ❀, pop. name for sev. specs. of *lamium*; stingless.

Dead Reckoning, ⚓, calculation of a ship's position at sea from the log, course, &c., without astronomical observations.

Dead Sea, Bahcirat Lût, Salt S., or S. of the Plain; Palestine; 46 m. long; anctly. Asphaltites Lacus.

Dead Sea Fruit, apples of Sodom; fruit of *asclepias procera*.

Dead Wind, ⚓, a wind that directly opposes a ship's course.

Deadly Nightshade, ❀, pop. name for *atropa belladonna* & for *solanum dulcamara*.

Deàk, Franz, Hung. statesm. & patriot, * 17/10 1803 Kehlida, † 29/1 76 Buda-Pesth; effected arrangmt. between Austria & Hungary 67.

Deal, name for wood of various specs. of pine & fir trees, esp. of spruce fir. Deals, in commer., are fir boards above 7 in. wide & 6 ft. long, usually 9 × 3 in.; 7 in. wide or less they are battens; less than 6 ft. long they are deal-ends.

Deal Fish, ichth., *trachypterus arcticus*, N. seas.

De Amicis, Edm., Ital. travlr., poet. & novel /, * 21/10 1846 Oneglia.

Dean, Ch. of Eng., eccles. dignit. in cathed. or coll. ch. possessing a chapter; ranks next a bp., has care of cathed., is head of chapter, & supervises canons; appointed by letters patent. Rural D.s are local eccles. inspectors. D.s of Peculiars are eccles. dignits. without cure of souls, appointed to particular foundations having no chapter. D. of Arches is ⅟₁₂ offr. having jurisdict. in eccles. causes. In Eng. colleges the D. is a fellow charged with the coll. discipline & chapel services.

Dean of Faculty, ⅟₁₂, in Scot., is presdt. of the Faculty of Advocates in Edinburgh.

Deane, 1] Henry, †, prior of Llanthony; Chanc. of Irelnd. 1495, archbp. of Cant. 1501, † 16/2 1503. 2] Rich., Eng ⚓ & ⚓ offr., * 1610, genl. at sea 49, † 2/6 1653 ⚓ off N. Foreland.

Dearth-cup, a fungus, *nidularia campanulata*.

Death's-head Moth, entom., a spec. of hawk-moth or sphinx, *acherontia atropos*.

Death Watch, entom., pop. name of cert. specs. of wood-boring beetles of gen. *anobia*.

Debit, set down as a debt; side of an account showing sums owed.

Debrecsyn, Hung. ⊙; seat of nat. govt. 9/1–30/5 1849; 50,000 inh.

Debt, *v.* National Debt.

Déca, in comp. & in metrical syst.; = × 10 *e.g.* décagramme, 10

grammes=154·32349 grs.; décalitre, 10 litres = 610·27052 cubic inches or 17·60773 pints; décamètre, 10 mètres = 393·70790 inches.

Decabrists, Russ. conspirators against Nicholas I., 1825.

Decade, ten years; ten; in Fr. Revol. Cal., a week of ten days.

De Candolle, 1] Aug. P., ☙, * 4/2 1778 Geneva, † there 9/9 1841. ⁄. 2] His son, Alfred, ☙, * 28/10 1806 Paris. ⁄.

Decapoda, zool., 1] the section of *cephalopoda* having eight arms & two tentacles. 2] The highest order of crustaceans, includg. crabs.

Decatur, Steph., Amer. ⚓ offr., * 1779 Maryland, † 1820 in duel.

Decazes, 1] Elie, duc de Glucksburg, statesman, * 28/12 1780; Fr. Minist. of Police 1815, retired 48, † 25/10 60. 2] His s., Louis C. Elie, * 19/5 1819 Paris; ambass. to London 73, For. Min. 73–77, † Sept. 86.

Deccan, name of that part of Ind. penins. S. of Vindhya ⛰, incl. Madras, part of Bombay, Haidarabad, Mysore, Travancore, &c.

December, 12th month of year; 31 days; originally 10th month.

Decemvirs, in anct. Rome, ten magistrates who together governd. Rome 449–447 B.C.; ovrthrn. owing to conduct of Appius Claudius.

Dechamps, 1] Ad., Belg. statesman, * 17/7 1807 Melle; clerical; Minist. 42–47, † 19/7 75 Scaibmont. 2] His brother, Victor A. T., polit. & †, * 6/12 1810; cardnl., † 30/9 83.

Déci, in comp. & in metrical syst. = +10, *e.g.* décigramme, $\frac{1}{10}$ gramme = 1·54323 grs.; décilitre, $\frac{1}{10}$ litre = 6·10271 cub. inches, or 0·17608 pint; décimètre, $\frac{1}{10}$ mètre = 3·93708 in.

Decimal, notation on a scale of tens: a decimal fraction, a fraction of which the denominator is 10 or a multiple of 10, as $\frac{7}{1000}$, usually written ·007; $\frac{3}{10}$ or ·3.

Decimal System, *v.* Metric System.

Decius, 1] Caius Metius, Rom. emp., suc. Philippus 249, † in ⚔ 251 Philippopolis; persecutd. Christians. 2] D. Mus, name of 2 Roms. father & son, who fought 340 & 295 B.C. against the Samnites.

Deck, ⚓, one of the floors of a ship. In large ships the decks in their order downwards are called quarter, main, middle, and lower or gun. The quarter-deck extends only from the stern to the gangway, & includes the poop, when there is one. In large ships the deck next below the water-line is the orlop D.

Declination, ✶, angular distance of a celest. body from equator, measured on meridian or grt. circle, passing through the object & the celestial poles.

Décolleté, Fr., of dress = cut low over the bosom.

Decorated, ⚠, name of the Perfect Pointed style of ⚠.

Decoration Day, in U.S.A., 30/5, for decoration of graves of those who fell in civil war 1861–65.

De Cort, Franz, Flem. lyr. ⁄, * 21/6 1834 Antwerp, † 20/1 78 Brussels.

Decree, ⚖, judicial decision. D. *nisi*, in divorce, a judgment of divorce granted unless within six months cause shall be shown to the contrary. If no cause be shown, the decree is made absolute.

Decrescendo, 𝄾, gradually decreasing in sound; *diminuendo*.

Decussate, ☙, of leaves; crossing each other in alternate pairs at right angles.

Dee, John, math. & astrol., * 1527, † 1608 Mortlake.

Deed, ⚖, a properly executed instrument in writing or print, or both, setting forth a contract. D. of Composition, a deed by which an insolvent arranges w. his creditors, they agreeing to accept a part in lieu of the whole of the debt.

Deeg, ⚔ 13/11 1804, Holkar defeated by Brit. D. ⚑ taken 23/11.

Deemster, title of each of the two judges of the Isle of Man.

Deer, zool., the family *cervidæ*, includg. musk-deer, water-deer, reindeer, elk or moose, muntjac, &c.

The females, save of the reindeer, have no antlers.

Deer-berry, ♃, 1] *gaultheria recumbens.* 2] In Amer., *vaccinium stamineum.* Deer-hair, heath club-rush, *eleocharis cæspitosus.* Deer's-foot grass, *agrostis setacea.*

Deer-mouse, zool., small N. Amer. rodent, *hesperomys leucopus.*

Defender of the Faith, *Fidei Defensor*, D.F., title of sovs. of Eng.; originally conferred by Leo X. on Henry VIII. 1521 for his work "On the Seven Sacraments."

De Foe, Daniel, Eng. rom. & misc. ✓, * 1661 London, † there 6/4 1731. "Robinson Crusoe" 1719, "Captain Singleton" 20, "Journal of the Plague" 22, &c. Life by Forster 1855, Chadwick 59.

Defregger, Franz, ☻, * 30/4 1835 Stronach.

Defterdar, Pers.=bookkeeper; title of the Persian Finance Minist.

Dego, Ital. ⊙; ⚔ 14–16/4 1796.

Degree, *v.* Circle.

De Grey, Willm., Lord Walsingham, ♃, * 1719 Merton; Sol.-Genl. 63, Att.-Genl. 66, Chief Justice of Comm. Pleas 71, peer 80, † 81.

De Gubernatis, Angelo, Ital. ✆, biog., & crit. ✓, * 7/4 1840 Turin; prof. at Florence.

De Hæretico Comburendo, of the burning of heretics; a statute enacted in Eng. against the Lollards 1401.

Dehra Dun, district of N.W. Provs. of British India, at foot of Himalaya ⛰; rice, forest; 1,021 s.m., 118,000 inh. Chief ⊙, Dehra.

Dei Gratia, Lat.=by the grace of God; D.G., the tenure by which the sov. of Eng. holds the crown.

Deinotherium, palæont., gen. of elephant- or tapir-like amphibious animals; found in Miocene.

Deira, anct. Anglian kingdom between Tees & Humber.

Deists, believers in God, but not in Revelation.

Dejanira, Greek myth., wife of Hercules, whom she killed with the shirt of Nessus.

Dejazet, Pauline V., ✆, * 30/8 1797 Paris, † there 1/12 1875.

Déjeuner, Fr.=breakfast. *D. à la fourchette*, second breakfast. *D. dinatoire*, luncheon.

Del., abbreviatn. for Lat. *delineavit*=he drew; placed with name of artist on drawings, &c.

Delacroix, F. V. Eug., Fr. ♛ ☻, * 26/4 1798 Charenton St. Maurice, † 13/8 63 Paris.

Delagoa Bay, on E. coast of Afr., betw. Cape Colony & Mozambique; Portuguese settlement.

Delambre, J. B. J., Fr. math. & ✈, * 1740 Amiens, † 1822 Paris. ✓.

Delane, John Thaddeus, * 1817; edited the *Times* 41–77, † 22/11 79.

Delany, 1] Mary, *née* Granville, ✓; friend of Swift, * 1700, † 88. 2] Patrick, her 2nd husb., wit & ✝, * 1685, † 1768; dean of Down 44. ✓.

Delaroche, Hippol. (Paul), Fr. ♛ ✓, * 17/7 1797 Paris, † 4/11 1856.

De la Rue, Warren, * 18/1 1815 Guernsey; applied photography to celestial phenomena.

Delaunay, Chas. Eug., Fr. math. & ✈, * 9/4 1816 Lusigny; director of Paris Observ. 70, † 5/8 72. ✓.

Delavigne, 1] J. F. Casimir, ✆, lyr., & misc. ✓, * 4/4 1794 Havre, † 11/12 1843. 2] His brother, Germain, ✆ ✓, * 1/2 1790, † 30/11 1868.

Delaware, Henry Booth, Lord, * 1651, † 94; Chanc. of Exchequ. 89, created E. of Warrington 90.

Delaware, one of the orig. U.S. of Amer., on Atl. O.; 2,120 s.m., 150,000 inh. Chf. ⊙, Wilmington.

Delbrück, Martin F. Rud., statesm., * 16/4 1817 Berlin; Min. 68, retired 1/1 78.

Delepierre, Joseph Octave, Belg. ♛ & Ψ ✓, * 1804 Bruges; Belg. consul-genl. in London 49, † 18/8 79.

Deleschuze, Louis Chas., polit., * 20/10 1809 Dreux; exiled 49, 53–59, memb. of Commune, fired Paris, killed 28/5 71.

Delessert, Benj., Baron, Fr. finan., ♃, & econ., * 1773 Lyons, † 1847 Paris. ✓.

Delhi, 1] divisn. of Panjab, Brit.

d., includg. districts of D., Gurgon, & Karnal; 5,609 s.m., 1,950,000 h. 2] Distr., 1,277 s.m., 610,000 h. 3] Cap. ⊙ of divisn. & distr., formerly cap. of Mogul Emp., on Jumna; ⚘; college, founded 1792, affiliated to Calcutta Univ. 1864; held by rebels for four months 1857; 70,000 inh. Q. Victoria proclaimed emp. of Ind. 1/1 1877; ⚔ 11/9 1803, Brit. defeated Mahrattas; siege of D. 1804, 8/6–20/9 57.

Delille, Jacq., Fr. poet. ✓, * 738, † 1813.

Deliquescence, ⚗, passing into solution by the absorption of moisture from the air.

Delirium, ✚, mental state in which the ideas are wild, untrue, & perverted, induced temporarily by fevers & other diseases. Excessive continued use of alcohol produces *D. tremens*, with restlessness, sleeplessness, & spectral illusions.

Delitzsch, Franz, Germ. †, * 23/2 1813 Leipzig; professor at Rostock 46, at Erlangen 50, at Leipzig 67. ✓.

Dellus, Nic., Shakespn. crit. ✓, * 19/9 1813 Bremen; professor at Bonn 55, † 18/11 88.

Deliyannis, Theod. N., Greek statesman; Foreign Minister 78–80, 85–86.

Della Cruscan, pertaining to the Accademia della Crusca, Florence; Florentine.

Delolme, Jean Louis, Swiss political ✓, * 1740 Geneva, † 1806 Sewen. "Constitutn. of England."

Delos, Ortygia or Asteria, anct. ⊙, one of the Cyclades, now Mikra Dilos, or Sailles; temple of Apollo.

Delphi, anct. ⊙, ⊙ Greece, at foot of Parnassus; oracle of Apollo; scene of Amphictyonic Council & Pythian games; now Castri.

Delphin, bibliog., editns. of Lat. classics prepd. for use of Dauphin.

Delphinium, ✿, the larkspur gen. of *ranunculaceæ*. *D. staphisagria*, stavesacre, has seeds which yield delphinia, used in ✚ for swellings of the glands.

Delphinus, the Dolphin, ♘, small constellation in N. celestial hemisphere, E. of the Eagle.

Delpit, Alb., Fr. nov. & misc. ✓, * 30/1 1849 New Orleans. "Fils de Coralie."

Delta, ⊙, mass of alluvial soil deposited at the mouth of a ⚓, there forming islands in shape somewhat like the Greek *delta* (Δ).

Delta, pseud. of Moir, D. M. (*q. v.*).

Delta Metal, alloy of copper, zinc, & iron.

Deltoid, anat., a triang. muscle in shoulder; moves the arm.

Deluge, The, believed by some to have been universal, by some partial, by others (as Colenso) unhistorical. It took place (Hales) 3155, (Ussher) 2348, B.C. An Assyr. account of the legend is in eleventh of Izdubar Tablets, read by Geo. Smith 3/12 1872 before Soc. of Bibl. Ψ. Chinese have legend of D. of Fohi; Hindus, of Satyavrata; Greeks, of D.s of Deucalion, &c.

De Lunatico Inquirendo, ⚖, a writ directing inquiry into the supposed lunacy of a person.

Demawend, volcanic ▲ in Caucasus, 20,036 ft. high.

Demerara, district of British Guiana, 150,000 inhabts. Chief ⊙, Georgetown.

Demeter, Greek name of Ceres.

Demetrius, 1] D. Poliorcetes, king of Macedon, s. of Antigonus; reigned 307 B.C. Athens, conquered Macedon 294, expelled 287, taken by Seleucus, † 283 Apamela. 2] D. Phalereus, Grk. orator & ✍, * 345 B.C.; decen. archon at Athens 317, † by suic. 283 Egypt. ✓. 3] D. Soter, k. of Syria, 162–150 B.C. 4] D. Nicator, his s., king of Syria, * 165, † 127 B.C. 5] D. Eucerus, k. of Syria, * 130, † 86 B.C. 6] IV., Grd. Dk. of Moscow, * 12/10 1850; made Moscow his capital, defeated Mongols 80 on Don (hence called D. Donskoi), † 19/5 89. 7] V., son of Ivan the Terrible, * 19/10 1583; murd. 15/5 91. Several false D.s afterwards arose.

Demidoff, 1] Nikolas Nikitch, Russ. genl. & travlr., * 1773 nr. St. Petersburg, † 1828 Florence. 2] Anatol, Ct., ✓ & Ψ, * *ca.* 1810 Florence, † 58; made magnif. collectns.

Demiquaver, or Semiquaver, 𝅘𝅥𝅯, note equallg. in duratn. half a quaver. A demisemiquaver = in duration a fourth of a quaver.

Demiurge, an artificer. In Platon. & Gnostic ♁ the creative agent; chief of the ☯ons or lower spirits, & author of evil.

Democrats, one of the great polit. parties in U.S.; opposed to Republicans.

Democritus, Grk. ♁ & travlr., * *ca.* 460 B.C., † 361; origtd. atomic theory; ✓, but only fragments remain; laughed at human folly.

Demogorgon, a terrible & mysterious deity of ancient myth.

Demoiselle, 1] ornith., a spec. of crane; *anthropoides virgo*, Numidian crane. 2] In entom., a spec. of dragon-fly, *calopteryx virgo*.

De Morgan, Augustus, math. & logic., * 1806 Madura, † 18/3 71; prof. of math. Univ. Coll., Lond. ✓.

Demosthenes, 1] Athen. oratr., * *ca.* 385 B.C. Pæonia, † by suic. 322 Calauria; 61 of his orations survive, 12 being against Philip. 2] Athen. genl., conquered Ætolia; † 413 B.C.

Dempster, Thomas, Scot. ☙ & Ψ ✓, * 1572, † 1625 Bologna.

Demy, of paper, sheets 22½ × 17½. Writing demy varies. Square demy is 17 × 17 inches.

Denarius, penny; anct. Rom. silver coin (origlly. worth 10 *asses* or pounds of brass) = *ca.* 7¾d. of Eng. money. The gold D. = *ca.* £3 4s. 6d., or 25 silver D.

Denbigh, chief ⊙ Denbighsh.; 6,500 inh.; unites with Wrexham, Ruthin, Holt (Denbigh Boroughs) to return 1 M.P.

Denbighshire, marit. co. of N. Wales; 613 a.m., 110,000 inh.; rets. 2 M.P.s: E. (Bromfield), W. (Vale of Clwyd). Chief ⊙, Denbigh.

Dene-holes, Ψ, ancient excavations, consisting of round vertical shaft ending in a cavern in the chalk: of stone age.

Deneschka, Russ. coin = ½ copeck = *ca.* ⅛d.

Denham, 1] Sir John, poet. ✓; 1615 Dublin, † 68 London; kntd. by Chas. II. 2] Dixon, ✕ officer & Afr. traveller, * 1786, director of Sierra Leone 1826, † there 28. ✓.

Denier, anct. Fr. coin = $\frac{1}{12}$ sou.

Denis, St., 1st bp. of Paris, 3rd cent.; patron of France.

Denison, 1] John Evelyn, * 1800; speaker of Ho. of Commons 57–72, created Visct. Ossington, † 7/3 73. 2] His brothr., Sir Willm. Thomas, ✕ officer, * 1804; govr. of New South Wales, of Madras 60, † 19/1 71. 3] His brother, Geo. Anthony, †, * 1805, Archdeacon of Taunton, 51. ✓.

Denman, 1] Thos., Lord, ⚖, * 1779 London; M.P. 1818, Sol.-Genl. to Q. Caroline, Att.-Genl. 30, Ld. Chf. Just. of Eng. 32–50, Peer 34, † 54 Stoke Albany. 2] His 4th son, Sir Geo., ⚖, * 23/12 1819 London; M.P. 59, Just. of Common Pleas 72.

Denmark, kingdom of Europe, comprising penins. of Jutland & islands of Zealand, Funen, Laaland, &c.; 21,667 a.m., 1,990,000 inh. ⚓s: Konigsau, Lonborg; ✓, cattle-rearing, horses. Cap. ⊙, Copenhagen. ⊙s: Fredericia, Aarhuus, Aalborg, Odense, Nykjöbing; Rys. 980 m.; Telegs. 2,300 m.; govd. und. Constit. of 28/7 1866; rev. *ca.* £2,750,000, expend. *ca.* £2,970,000, debt *ca.* £13,000,000; army 50,500 men; navy 44 steamers, 255 guns, 1,150 men. Foreign possessions: Faroe Islands, Iceland, Greenland, St. Thomas, St. Croix, St. John. ☙: aborig. inhabs. Cimbri, then Danes in islands; Danish race united under one crown 920, & conqrd. Eng., Norw. & Swed., but little by little lost them; revolut. 1848; war w. Prussia 64, & loss of Schleswig-Holstein. King, Christian IX.; succeeded 15/11 63.

Denmark. Lang. belongs to N.

branch of Germanic. Lit. began with 16th cent.; Niels of Soro *ca.* 1500; Arrebor (+1637), father of mod. Danish poetry; L. Holberg (+1754), father of national ◊, followed by Jens Baggesen (+1826) & Oehlenschläger (+1850).

D'Ennery (Ad. Philippe), Fr. ◊ /, * 17/6 1811 Paris.

Dennewitz, villg. of Brandenburg, near Jüterbogk; ⚔ 6/9 1813.

Dennie, Joseph, Amer. /, * 1768, + 1812.

Dennis, John, misc. & dram. /, * 1657 London, + 1734.

Denon, Baron D. Vivant, Fr. etcher & Ψ, * 1747 Chalons-sur-Saône, + 1825 Paris. /.

Dens, Peter, R. Cath. †, * 1600, + 1775.

Density, phys., the proportion of the bulk to the weight of a body. The greater the bulk in prop. to the weight, the less is the density.

Denver, capital ⊙ Colorado, U.S.A.; ⚒; 38,000 inhabitants.

Deodand, *r'ts.* a chattel given to God, *i.e.* forfeited to the king for having been the accidental cause of a human death.

Deodar, ♨, *cedrus deodara*, of Himalaya ⛰; introd. to Eng. 1831.

Deodatus, *v.* Deusdedit.

D'Eon, *v.* Eon, d'.

Department, one of the 86 princ. mod. territorial divisions of Fr., subdivd. into arrondissements, these into cantons, & these into communes. Before the Revolutn. Fr. was divided into 34 provinces.

Depression, meteor., diminished atmosph. pressure, causing a fall of the bar.; heralds storms.

Depretis, Agostino, Ital. statesman, * 1811 Stradella; Premier 76–78, 81.

Deptford, ⊙ in Kent & Surrey, on Thames; victualling-yd.; dockyd. 1509–1869; 60,000 inh.; rets. 1 M.P.

De Quincey, Thomas, Eng. /, * 15/8 1785 Greenhays, + 8/12 1859 Edinburgh. "English Opium-Eater," Essays, &c.

Dera Ghazi Khan, district of Panjab, Brit. India; 4,740 s.m., 310,000 inh. Chf. ⊙ of same name.

Dera Ismail Khan, distr. of Panjab, Brit. India; 7,096 s.m., 400,000 inh. Chf. ⊙ of same name.

Derajat, division of Panjab, incldg. Dera Ghazi Khan, D. Ismail K., & Banu; 15,007 s.m, 1,000,000 inh.

Derby, chf. ⊙ Derbysh.; 90,000 inh., returns 2 M.P.s.

Derby, 1] Edwd. Geoff. Smith Stanley, 14th earl of, statesm., * 29/3 1799 Knowsley; Und. Sec. 1827, Colon. Min. 33, Premier 52, 58–59, 66–68, + 23/10 69 Knowsley. Translated "Iliad." 2] His s., Edw. Hen. S. Stanley, earl of, statesm., * 21/7 1826; Und. For. Sec. 52, Colonial Sec. 58, Sec. for Ind. 58–59, For. Sec. 66–68, 74–78, Col. Sec. 82–85.

Derby Day, Wednesday before Whitsunday: day on which Derby Stakes are run at Epsom. Race so named in 1780; a sweepstakes of £50 each, half-forfeit, for 3-year-olds.

Derbyshire, a cent. co of Eng., 1,030 s.m., 462,000 inh.: rets. 7 M.P.s: N.E. (Eckington), S., Mid., W., Chesterfield, High Peak, & Ilkeston.

Derbyshire Spar, ◊, fluor-spar, fluorite, or blue-john; of nearly all colours: Derbysh., &c.

Derceto, or Dercetis, *v.* Dagon.

Derelict, ⚓ *r'ts*, a ship abandond. by the crew at sea.

Dermody, Thos., Irish /, * 1775 Ennis, + 1802; a dissipated genius.

Dervish, a Mahom. monk professing poverty & asceticism; a Fakir. The Dancing D. works himself by musc. excitement to frenzy.

Dervish Pasha, Turk. genl., * 1817 Constantinople; defnd. Batoum 77, pacified Albania 80, commissr. to Egypt 82.

Derwentwater, *James, earl of*, * 1688 Dilston; implicd. in Jacob. Rebell. 1715, exectd. 24/2 16 London.

Desaix de Voygoux, L. C. Ant., Fr. general, * 17/8 1768 St. Hilaire d'Ayat; genl. of div. 94, in Egypt 98, + at ⚔ Marengo 14/6 1800.

De Sanctis, Franc., Ital. polit. & schol., * 1818 Morra; Min. of Educ., leader of Left in Ital. Parlt., † 1/1 84.

Desborough, or Disbrowe, John, polit., * ca. 1615; m. Jane, sistr. of O. Cromwell 36, served und. C. as maj.-genl., commissioner of navy, adml. of the fleet, &c., † ca. 1687.

Descartes, or Cartesius, Rene, Fr. math., opt., & ☙, * 31/3 1596 La Haye, † 11/2 1650 Stockholm: author of the Cartesian ☙; *cogito, ergo sum;* anti-materialism.

Deschamps, Émile, Fr. ✆ & misc. ✓, * 1791 Bourges; transltd. *Macbeth, Romeo & Juliet.*

Desiderata, Lat. = things desired.

Desiderius, last king of the Lombards; suc. 757, deftd. & taken by Charlemagne 774, † Korvei.

Desmoulins, Camille, Fr. revolut., * 2/3 1760 Guise, executd. 5/4 1794.

Desnoiresterres, Gust., art & ✍ ✓, * 20/6 1817 Bayeux.

Desnoyers, Boucher B., etcher, * 19/12 1779 Paris, † there 18/2 1857.

Dessaix, Joseph Marie, Fr. genl., * 1764 Thonon, † 1834.

Dessalines, J. Jacq., Haitian negro leader, * ca. 1760 Afr.; slave, rose against Fr.; govr.-genl. of Haitian Repub. 1804, Emp., murd. 17/10 1806.

Dessätine, Russ. superf. meas. = ca. 120 square yards.

Destouches, Phil. Héricault, com. ✆ ✓, * 1680 Tours, † 4/7 1754.

Destructive Distillation, ⚗, dry D.; heatg. of non-volat. bodies in retort. They decompose, liberate gas, & genly. distil over a liquid.

Des Voeux, Sir Geo. William statesm., * 1834; acting govr. of Fiji 78, govr. of Bahamas 80, govr. of Fiji 80–86, govr. of Newfoundld. 86.

Detlef, Karl, pseud. of Bauer, Clara (*q.v.*).

Detonating Gas, mixture of 2 vols. hydrogen & 1 vol. oxygen, wh. detonates when ignited. D. Powder, powder which explodes by a blow; *e.g.* fulminate of mercury., chloride of nitrogen, picrate of potassium.

Detroit, ⊙ Michigan, U.S.A., on Detroit; fnded. by Fr. 1670, occup. by U.S. 1796, form. cap. of Michigan; 95,000 inh.

De trop, Fr. = too much; in the way.

Dettingen, Bav. villg. on Main; ⚔ 27/6 1743; Brit. deftd. French.

Deucalion, Grk. myth., son of Prometheus; saved, with his wife Pyrrha, at destruct. of Hellas by 9 days' deluge.

Deus ex machina, an unexpected outside release from difficulties.

Deusdedit, 1] (Frithona), 6th archbp. of Canterbury, † 664. 2] or Deodatus, name of 2 Popes; I. 615–18, II. 672–76.

Deuteronomy, the second law; fifth bk. of Pentateuch: attributed to (1) Moses, save concludg. verses; (2) a writer of Manasseh's time; (3) redaction by later writers.

Deutsch = German.

Deutsch, Eman., Pruss. oriental., * 28/10 1829 Neisse, † 12/5 78 Alexandria; asst.-libr. of Brit. Mus. ✓.

Deutzia, ❀, gen. of E. Ind. shrubs of ord. *syringa;* cultivated in Brit.

Development, *v.* Evolution.

De Vere, Aubrey Thos., poet. & polit. ✓, * 1814.

Devereux, *v.* Essex.

Devil-fish, ichth., angler, frog-fish, or sea-devil; *v.* Fishing-frog. D. Tree, ❀, *alstonia scholaris.* D. monkey, zool., *pithecia satanas.*

Devil's Bridge, 1] over the Reuss, Switz. 2] In N. Wales.

Devon, William R. Courtenay, 11th earl of, * 15/4 1807; Chanc. of Duchy of Lanc. 66–67, Presdt. of Poor Law Bd. 67–68, † 18/11 88.

Devonian System, ⚒, or Old Red Sandstone (*q.v.*).

Devonport, formrly. Plymouth Dock, ❀, ⚓ ⊙ Devon, adjoing. Plymouth; dockyd. & arsenal estabd. 1693; 96,800 inh., rets. 2 M.P.s.

Devonshire, a S.W. marit. co. of Eng.; 2,492 s.m., 605,000 inh.;

rets. 8 M.P.s: N. (S. Molton), N.E. (Tiverton), N.W. (Barnstaple), S. (Totnes), E. (Honiton), W. (Tavistock), Mid (Ashburton), Torquay.

Devonshire, 1] Willm. Cavendish, 1st dk. of, * 1640; M.P. 61, supportd. Revolut., creatd. dk. 94, † 1707. 2] Willm. Cavendish, 7th dk. of, * 27/4 1808; M.P. 29, suc. 58, Chanc. of Camb. Univ. 62.

Devrient, 1] Louis, ♁, * 15/12 1784 Berlin, joined stage 1804, † 30/12 32 Berlin. 2] His nephew, Karl Aug., ♁, * 5/4 1797; joined stage 1819, † 3/8 1872; husb. of Schroder-D. 3] His brother, Phil. Edw., ♁, * 11/8 1801 Berlin, acted 19–70, † 4/10 77 Carlsruhe. ♂. 4] His s., Otto, ♁, * 3/10 1838 Berlin, joined stage 56.
5] G. Emil, ♁, * 4/9 1803, joined stage 21, † 7/8 72 Dresden.

Dew, moisture in atmosph. condensed by cold & depostd. in form of liq. drops. Dewpoint, in meteorol., temperature at wh. dew forms.

Dewan, same as Divan. Also, in E. Ind., head offr. of fin. & rev.

Dewberry, ♃, *rubus cæsius*, or *ribes grossularia*, the raspberry.

Dew Cup, ♃, ladies' mantle, *alchemilla vulgaris*. D. Grass, ♃, *dactylis glomerata*. D. Worm, zool., earthworm, *lumbricus terrestris*.

D'Ewes, Sir Symonds, polit. & ♂, * 1602 Coxden; kntd. 31, M.P. 40, bart. 41, sided with Parlt. in Civil War, † 50.

De Witt, Jan, Dutch statesm., leadr. of Repub. party, * 1625 Dort, † by assassination 72.

Dewsbury, ⊙ West Riding of Yorkshire; 75,000 inh., rets. 1 M.P.

Dexter, Samuel, Amer. ⚖ & polit., * 1761 Boston, † 1816 Athens, N.Y.; Sec. of War 1800, Sec. of Treasury 01.

Dexter, herald., proper right-hand upper corner of shield.

Dextrin, or British Gum, ⚗, $C_6H_{10}O_5$, substce. obt. from starch, *e.g.* by boiling with dilute acid & neutralng. w. chalk; exercises a dextro-rotary action on polarised light.

Dextrose, ⚗, $C_6H_{12}O_6$, grape-sugar.

Dey, roy. title, Algiers, 1600–1830.

D.F. = *Defensor Fidei*; D.G. = *Dei Gratiâ*.

Dhâl, ♃, an E. Indian vetch.

Dhar, small protected State of Malwa, central India; 2,500 s.m., 155,000 inh. Capital ⊙, D.

Dharwar, district of Bombay, British India; 4,565 s.m., 991,000 inh. Chief ⊙, Hubli.

Dhawalagiri, ▲, Himalaya ⛰, betw. Nepaul & Thibet; 26,862 ft.

Dhole, or Indian Dog, zool., *canis dukhunensis*; wild, hunts in packs.

Dholpur, protected State of Rajputana, Uppr. Ind.; 1,174 s.m., 260,000 inh. Capital ⊙, D.

Dhow, Arab single-masted vessl. with long yard & lateen sail.

Dhurra, Dhoora, Dourah, Dari, ♃, kind of millet, *sorghum vulgare*.

Diabetes, ✚, immoderate flow of urine; 1] *D. insipidus*, simple excessive discharge; 2] *D. mellitus*, with sugar in the urine.

Diachylon, ✚, plaster of powd. litharge 4 lbs., olive oil 1 gallon, water 3½ pints, boiled & spread on calico. Ordinary sticking-plaster is made of diachylon 2 lbs., resin 4 oz., hard soap 2 oz., melted.

Diæresis, in grammar, the resolution of a diphthong into two distinct letters or sounds; also the mark (¨) placed over one of two vowels to denote that the two are to be separately pronounced.

Diamagnetic, the property of being repelled by a magnet; possessed by gold, sulphur, water, &c.

Diamond, Adamant, ♦, an isometric min. or prec. stone, white, yellow, red, orange, green, blue, brown, black; transparent, with perfect octahedral cleavage; pure carbon; hardest known substance; spec. grav. 3·52–3·55; when cut & polished, fine white diamond of 1 carat is worth *ca.* £12; but the *Hope*, a blue of only 4½ carats, is worth £25,000. D.s are found in

Brazil, Ind., S. Afr., &c. May be burnt to carbon dioxide by electr. current. Celebrated D.s: *Great Mogul*, found 1550 Golconda, 793 carats, cut to 279 carats. *Russian*, sold to Emp. Catherine for £90,000 & annuity of £400; 194 carats. *Pitt*, sold to Duke of Orleans 1717 for £135,000; 400, cut to 136¾ carats; in hilt of Napol. I.'s sword. *Koh-i-noor*, belongd. to Grt. Mogul 1665, seizd. by Nadir Shah 1739, captured by Eng., presented to Q. Victoria by E. India Co. 1850; wt. 800, cut to 186$\frac{1}{16}$, re-cut to 103¾ carats. *Austrian*, 139¼ carats.

Diamond Beetle, entom., S. American *entimus imperialis*.

Diamond-cutting, preparatn. of the rough diamond for use as an ornament, by attrition w. diamond dust on a wheel, disc, or wire; process discovd. in Europe 1476 by Berghem. Chiefly at Amsterdam.

Diamond Drill, rock-boring drill, pointed w. D.; invt. 1854 by Hermann.

Diana, Rom. myth., goddess of the moon, chase, chastity; dau. of Jupiter & Latona: Grk. Artemis.

Diana, Diane, 1] D. de France, illeg. dau. of Henry II., * 1538; declared leg., m. 53 to Farnese, dk. of Castro; m. 57 to Franç. de Montmorency; friend of Henry IV.; † 1619. 2] D. de Poitiers, dau. of Jean de P., * 1499; m. 1512 to Ct. de Maulevrier († 31), became mist. of the Dauphin, created Duchess de Valentinois by Henry II., persecd. Prots., † 66.

Diana Monkey, zool., *cercopithecus diana*, Palatine M., Africa.

Diaphragm, anat., the midriff, a musc. partitn. wh. separs. thorax from abdomen; the agent of respiration. Any flexible partition.

Diarrhœa, ℞, excessive looseness of bowels, causd. by acidity or irritation. Remedies: astringents, opium, chalk-mixture, &c.

Diastase, ⚳, nitrogenous subst. produced in malting grain.

Diatomic, ⚳, dyad, capable of directly combining with only 2 atoms of monad element; *e.g.* oxygen. In ⚳ symbs., diatomicity is represented by two dashes; thus, oxygen = O″, or —O—, or O=.

Diatonic, ♮, having only one key-scale: opposed to Chromatic.

Diavolo, Fra (Michele Pozza), Calabrian brigand, * 1760, † 1806.

Diaz, 1] or Dias, Bartolomneo, Portuguese navigatr., * 1452; first rounded C. of G. Hope; † 1500. 2] Gonçalves, Braz. lyr. & ☉ ✓, * 10/7 1823, † 64. 3] D. de la Peña, Narcisso Virgilio, ●, * 20/8 1807 Bordeaux, † 19/11 76 Mentone.

Dibdin, 1] Charles, ☉ & ♁ song ✓, * 1745 Southampton, † 1814. 2] His son, Thos., ☉ & song ✓, * 1771, † 1841. 3] Thos., Frognall, bibliog. ✓, * 1770, † 1847.

Dicey, Edward Stephen, journ. & misc. ✓, * 1832.

Dick, 1] Thomas, ♃ & † ✓, * 1775 nr. Dundee, † 1857 Broughty Ferry. 2] John, Scot. † & ✓, * 1764 Aberdeen, † 1833 Glasgow.

Dickens, Charles, novel. ✓, * 7/2 1812 Landport, Hants, † 9/6 70 Gadshill; burd. in Westminster Abbey. "Sketches by Boz" 36, "Pickwick Papers" 36, "Oliver Twist" 38, "Nicholas Nickleby" 38, "Old Curiosity Shop" 40, "Barnaby Rudge" 40, "American Notes" 42, "Martin Chuzzlewit" 43, "Dombey & Son" 46, "David Copperfield" 49, "Bleak House" 52, "Little Dorrit" 55, "Great Expectations" 58, "Tale of Two Cities" 59, "Our Mutual Friend" 64, "Mystery of Edwin Drood" (unfinished) 70, &c.; editd. *Daily News*, *All the Year Round*, &c. Life by Forster 73.

Dickinson, John, Amer. statesman & ✓, * 1732 Maryland, † Wilmington, Del., 1808.

Dickson, 1] Edwd., Scot. Presbyterian †, * 1583, † 1662. 2] Wm. Gillespie, ⚒, * 9/4 1823 Edinburgh, Sheriff of Lanarkshire 74, † 19/10 76. ✓.

Dicotyledonous, ⚘, of plants,

havg. an embryo w. 2 seed-leaves. D. plants also called Exogens.

Dictator, officer with supreme power appointed in Rome in times of public danger after 498 B.C.

Diderot, Denis, Fr. ✍ & misc. ✓, * 5/10 1713 Langres, † 30/7 1784 Paris; editd. "Dictionnaire Encyclopédique."

Dido, or Elissa, Greek myth., fndr. of Troy, dau. of Belus, k. of Tyre; beloved by Æneas.

Didot, fam. of Fr. typogs., 1] François Ambr., * 1730, † 1804. 2] His son Pierre, * 1760, † 1853. 3] His brother, Firmin, * 1762, † 1836. 4] His son, A. Firmin, fnded. publishing house in Paris.

Didymium, ♃, metal. triad element; symbol Dy, atom. wt. 144; white w. yellow tinge; sp. grav. 6·5.

Diemen, A. van, *v.* Van Diemen.

Dieppe, French ⚓ ⊙, Seine-Inférieure, on English Channel; ♔; 24,000 inh.; occ. by Germ. 9/12 1870.

Dies Iræ, Lat. = day of wrath: first words of Latin hymn by Thos. of Celano, *ca.* 1200.

Dies non, Lat. = not a day: a day when no legal business is done.

Diet, assembly of delegates. D. in Germ. was composed of 3 colleges, electors, princes, & imperial towns. Diet of Nuremberg 1464, Worms 1521, Spires 29, Augsbrg. 30.

Dietmar, bp. of Merseburg, ♛ ✓, * *ca.* 976, † 1019. "Chronicon."

Dietrich v. Bern, Germ. myth. hero; perhaps Theodoric the Grt.

Dietz, Feod., ♛ ⊙, * 29/5 1813 Neunstetten, † 18/12 70 near Gray.

Dieu et Mon Droit, French = God & My Right: motto of Brit. royal family.

Difference, herald., distinction on coat-of-arms to distinguish younger branches; *e.g.*, 1st s. bears a label, 2nd a crescent, 3rd a mullet, 4th a martlet, 5th an annulet, 6th a fleur-de-lys, 7th a rose, 8th a cross-moline, during father's life.

Differential Calculus, branch of math. introduced by Newton & Leibnitz, having for its object the finding of the ratios of the differences of variable magnitudes on the supposition that these diffs. become infinitely small. *See* Todhunter's "Differential Calculus."

Diffusion, intimate mixing, in oppos. to action of gravity, of gases or liquids separd. by porous mat. or membrane, or placed in contact but not acting chemically on each other. Rates of D. of diff. gases are in inv. prop. to sq. roots of their relative densities (Graham's Law).

Digamma, obsolete letter of oldest Grk. alphabet; had power of English *w* or *v*; written F.

Digby, 1] Sir Kenelm, scient. & diplom., * 1603 Buckinghamsh., † 65 London. ✓. 2] His fathr., Sir Everard, * 1581, implicatd. in Gunpowder Plot, executed 30/1 1606. 3] John, earl of Bristol, diplom., * 1580 Coleshill, † 1653 Paris. ✓. 4] His s., Lord George, statesm., * 1612 Madrid, † 1676 Chelsea; Sec. of State 43, suc. to earldom 53. 5] Kenelm Henry, ✓, * 1800; "Broad Stone of Honour" 26–27, &c., † 22/3 80.

Digestion, process by wh. the nutritious pts. of consumed food are changed into blood. Food is masticated & mixed with saliva, wh. changes the starch into sugar; in stomach it is acted on by gastric juice, & worked about by peristaltic action; some is there dissolved & absorbed, remainder is reduced to chyme (*q.v.*) & passes to small intestines, where it is acted on by bile from the liver & pancreatic juice, wh. dissolve fat & form chyle (*q.v.*); this is absorbed by the lacteals: residue is expelled as fæces.

Digges, 1] Sir Dudley, diplom., ♃, & polit., * 1583 Barham, † 1639; Master of Rolls 36. ✓. 2] His fathr., Thos., math., † 1595 Londn.

Digitalis, ♃, gen. of ord. *scrophulariaceæ*; esp. *D. purpurea*, foxglove: leaves used in ♃; active prin., digitaline, is poisonous.

Dilemma, in log., kind of conditional syllogism; *e.g.*, if A is B,

C is D; & if X is Y, C is D; but either A is B or X is Y, therefore C is D. Also called a horned syllogism. A difficult choice.

Dilke, 1] Sir Chas. Wentworth, polit., * 4/9 1843 Chelsea; travld. 66–68, M.P. 68, Under For. Sec., Presdt. of Local Govt. Board. ✓ "Greater Britain," &c.
2] His father, Sir Chas. Wentworth, * 1810, promoted Exhibtns. 51, 62; † 10/5 69. 3] His father, Charles Wentworth, ✓, * 8/12 1789; edited *Athenæum*, † 10/8 1864.

Dill, ✱, *anethum graveolens*, seeds are stimulant & carminative.

Dime, U.S. silver coin of 10 cents = 5d.; weight 38·4 grains.

Dimension, measrmnt. There are 3: length, breadth, thickness. A line has 1, a surface 2, a body 3.

Diminuendo, ♪, *v.* Decrescendo.

Dimorphous, *v.* Crystallography.

Dimsdale, Thomas, ✱, * 1712 Epping, † 1800 Hertford; created Baron of Russ. Emp. 1768; ✓; estabd. bank of Barnard, D., & Co.

Dinajpur, district of Bengal, Brit. Ind.; ✓; 4,126 s.m., 1,508,000 inh. Chief ⊙, D., on Purnabhaba.

Dinapur, chief ⊙ of Patna district of Bengal; 15,000 inh.

Dindorf, Karl W., philol., * 2/1 1802, † 1/8 83; edited classics.

Dinero, Peruv. & Venez. silver coin of 10 cents = $\frac{1}{10}$ peso = *ca.* 4½d.

Dingo, zool., Australian dog, *canis dingo*.

Dingwall, chief ⊙ Ross., Scot.; 1,050 inh.; one of Wick Burghs wh., w. Inverness group, ret. 1 M.P.

Dinornis, palæont., gen. of fossil birds. *D. giganteus* 10–12 ft. high.

Diocletianus, Valer., Roman Emp. of East, * 245, proclaimd. 29/8 284; persecuted Christs, abdicatd. 305, † 313 Dalmatia. Diocletian Era, of Copts, dates from his proc.

Diodati, Giov., Prot. scholar & ✝, * 1576 Geneva, † 1649; transltd. Bible into Italian. ✓.

Diodorus Siculus, Grk. ✍ ✓, resident in Rome, 1st century B.C.

Dioecious, ✱, of plants, those of wh. one individual produces only male flowers & another only female.

Diogenes, 1] Cynic ♟, * *ca.* 412 B.C. Sinope, † 323 B.C. Corinth. 2] of Apollonia, Greek ♟, 5th cent. B.C. 3] D. Laertius, Epicur. ♟ of 3rd century B.C. ✓.

Diomedes, Grk. myth., king of Argos, hero of Trojan War.

Dion Cassius Cocceianus, Grk. ✍ ✓, * *ca.* 155 Nicæa, † *ca.* 225.

Dione, Rom. myth., mother of Venus; or Venus herself.

Dionysius, tyrant of Syracuse, 1] I., * *ca.* 430 B.C., † 367; soldier & statesm., noted for cruelty. 2] II., his son, expelled for his cruelty; schoolmaster at Corinth, † 343 B.C.

Dionysius, 1] of Halicarnassus, Greek ✍ ✓ in Rome *ca.* 30 B.C. 2] of Alexandria, patriarch of Alexandria 3rd cent.; pupil of Origen, † 265. 3] St., Pope 259–69.

Dionysus, Greek myth., god of wine, corresponding to Bacchus.

Dioptase, ●, green crystalline ore of copper.

Dioptrics, science of the refraction of light.

Dioscuri, Grk. myth., Castor & Pollux, twin sons of Zeus & Leda; gods of mariners & hospitality.

Dip, the angle wh. a freely suspended magnet. needle makes with the horizon.

Diphtheria, ✱, a specific blood-disease in which false membrane is formed in pharynx, palate, &c.

Diphthong, grammar, 2 vowels sounded together as one syllable; *e.g.*, æ, œ, ea, ai, a (for ae), ö (for oe), oe, ui, ay, oi, oy, ou, au.

Diploma, a folded document; document stating that a university degree has been conferred on recipient, or granting a prof. licence.

Dipper, ornith., *cinclus*, a gen. of birds of family *merulidæ*.

Diptera, 1] having 2 wings. 2] Entom., ord. of insects incldg. gnats.

Diptych, folding tablet, proply.

of 2 leaves. In eccles. & class. ♛, a register of names; a folding religious picture.

Dirs, Roman myth., the Furies.

Dircks, Henry, ⚙ & scient., biog. & nov. ✓, * 26/8 1806 Liverpool, † 73.

Directory, 1] in Fr. Revolutn., council of 5 members wh. govrd. 26/10 1795–9/11 99. 2] Bk. of directions for public worship drawn up 1644, adopted in Scotland 45.

Dirt Bed, ⚒, a layer in the lower Purbeck containing lignite, fossil stumps, &c.; 6 ft. lower is another.

Dis, class. myth., Pluto, god of lower world.

Disbrowe, *v.* Desborough.

Discobolus, 1] a quoit-thrower. 2] Ichth., family of soft-finned teleostean fishes with ventral fins under pectoral.

Discordia, class. myth., Eris, sister of Ares; she threw down golden apple wh. led to Trojan War.

Discount, deduction allowed for payment of money before it is due.

Dish-washer, ornith., pied wagtail.

Disjecta membra, Lat. = scattered limbs or parts.

Disney Professorship, Ψ, Camb., fnded. 1851 by John Disney.

Dispensation, the granting of a licence to disobey a law; espec. a Papal decree enabling pers. within prohibited degrees to marry; an indulgence. Dispensing power of British sovereigns abolished 1689.

D'Israeli, 1] Isaac, ✓, * 1766 Enfield, † 1848 Bradenham; descen. from fam. of Sp. Jews that settled in Venice, then in England. "Vaurien" 1797, "Flim-Flams" 1805, "Curiosities of Literature" 1791, 93, 1823, "Calamities of Authors" 12, "Quarrels of Authors" 14, &c. 2] His son, Benjamin, *v.* Beaconsfield.

Dissenters, in Eng., Protestnts. not belong. to the Estab. Church.

Dissolving Views, pictures wh. seem to melt one into another. Effect obtd. by placing two magic lanterns (*q.v.*) so that they throw coinciding images upon a screen, & by shutting off light of one as that of other is turned on.

Distaff, of spinning-wheel, staff to wh. supply of loose flax is tied. St. D.'s Day, 7/1, day on wh. work began again after Christmas fests.

Distich, two lines of verse making completed sense.

Distillation, ⚗, process by wh. a subst. is convtd. into vapour, & the vapour condnsd. & collectd. Subst. is heated in a vessel, terminatg. in a long narrow tube that is immersed in cold water, wh. condenses the resultant vapour. The liquid flows from the end of the tube. When the object of D. is the separation of mixed liquids, advantage is taken of the different boiling points; *e.g.* water passes into vapour at 212°, alcohol at 173°, sulphuric ether at 100°, hydrochloric ether at 52°. Introd. to Europe by Moors *ca.* 1150.

Distress, ⚖, legally taking personal chattels in satisfaction of a demand for payment or restitution. There are stringent remedies agnst. excessive distress. D. cannot be made for arrears of rent older than 6 years; tools, &c., used in trade or profession may not be taken.

Distringas, ⚖, writ ordering a sheriff to distrain.

Dithyrambic, espec. of verse, Bacchanal, inflated, enthusiastic, bombastic.

Ditmar, Dietmar (*q.v.*).

Dittany, ✿, 1] Cretan D., *origanum dictamnus.* 2] Amer. D., *cunila mariana.* 3] Bastard D., *dictamnus fraxinella.* 4] Dittander, *lepidium latifolium.*

Ditto, Ital. = that wh. has been said; the same.

Ditton, Humphrey, math., * 1675 Salisbury, † 1715. ✓.

Diu, Port. island on W. coast of Ind.: ⊕; 13,000 inh. Chief ⊙, D.

Diuretic, ✚, promotng. secretn. of urine.

Div, Dive, or Deve, Pers. myth., a gigantic species of demon.

Diva, of a female, divine one; applied to a singer.

Divan, a Mahometan prince & his council: a low fixed lounge.

Diver, ornith., a gen. of *colymbinæ*, incldg. Northn. D., *colymbus glacialis;* Red-throated D., *C. septentrionalis;* Black-throated D., *C. arcticus.*

Divide et impera, Lat.=divide & govern; divide your foes & mastr. them: maxim of Machiavelli.

Diving, 1] remaining beneath the water dependent only upon the air contained in lungs; limit of time ca. 2–3 mins. 2] Descending in a bell or chest open below, the air inside keeping out the water, & fresh air being pumped in by tube from above; used in rough form 320 B.C. 3] Descending with the head covered by a large helmet with outlet valve, to which fresh air is pumped from above. 4] Descending with the head covered by a helmet supplied with a reservoir of compressed oxygen, & provided with a case containing solution of caustic soda, which absorbs carbonic-acid gas from air that has been breathed. Invented by Fleuss *ca.* 1870.

Diving Spider, zoology, *argyroneta aquatica*, constructs a subaqueous bell, to wh. it carries air by means of the hairs on its body.

Divining-rod, forked branch of hazel, suspended by the 2 prongs between the bails of the thumbs; supposed to indicate presence of springs, ores, &c.

Division, ✕, body of troops of all arms, genlly. incldg. 2 brigades. In Germ., contains 4–6 inf. regts., & forms half an army-corps.

Divorce, ⚭, legal separation of man & wife; either complete (*a vinculo matrimonii*, from the bonds of marriage), or judicial separation from board & bed (*a mensa et thoro*). In Eng., man must prove wife's adultery, or wife must prove either adultery with desertion or cruelty, or incest. adultery, bigamy, or unnatural conduct. Divorce Act came into operation Jan., 1858, & established Court for D. & Matrim. Causes, now Probate, D., & Adm. Divisn. of High Crt. of Just. Persons completely divrcd. may marry again; those judicially septd. may not. In cert. cases, by *Act of* 1878, magistrates may grant a judicial separ., & husb. may be ordered to provide alimony.

Dixon, 1] William Hepworth, ✓ & editor, • 30/6 1821 Newton Heath, † 27/12 79 London; edited *Athenæum* 53–69. 2] Geo., • 1820; Mayor of Birmingham 66, promoted natnl. education, M.P. 69. 3] Denham, Africn. explorer, • 1785 London; superintendent of Sierra Leone 1826, † there 28.

Djami, Noureddin Ben Ahmed, Pers. poet. & † ✓. • 1414 Djam, † 93.

Djelaleddin Roumi, Pers poet. ✓, • 1195 Balkh, † 1271 Konieh.

Djiggetai, zoology, Asiatic wild horse, *equus hemionus.*

Djinns, oriental myth., genii.

Dmitri, Demetrius (*q.v.*).

Dmitrijew, or Dmitrico, Ivan Ivanoff, ✓, • 10/10 1760 Simbirsk, † 1837 Moscow; founder, with Karamsin, of modern Russian ✓.

Dnieper, ⚓, Europ. Russ., flows 1,050 miles to Black Sea.

Dniester, ⚓, Europe, rises in Carpath. ⛰, flows 930 m. to Black S.

Do, ♪, first of syllables used for solfeggio of scale; appld. to note C.

Doab, or Duab, tract in N.W. Provs., Brit. Ind., between Ganges & Jumna. Chief ⊙s: Allahabad, Cawnpur, Aligarh, Meerut.

Dobell, Sydney, poet. ✓, • 1824 Cranbrook, † 22/8 74. "Balder" 54.

Döbereiner's Lamp, invented 1824 by D.: projection of hydrogen on spongy platinum; self-lighting.

Dobrudscha, distr. at mouth of Danube, ceded to Roum. 13/7 1878.

Dobson, 1] William, ✎, • 1610 London, † 47. 2] William Charles Thos., ✎, • 1817 Hamburg; R.A. 71. 3] Austin, poetical ✓, • *ca.* 1840.

Docetæ, Christian schismatics who taught that Christ on earth had only a phantom body.

Dock, ☙, Eng. name for various species of *rumex;* perennial, with troublesome roots: *malva sylvestris.*

Dockyards. There are British naval D.s at Chatham, Sheerness, Portsmth., Devonport, Pembroke, Bermuda, the Cape, Malta, Sydney, Hongkong.

Doctor. The var. degrees of D. are Divinity (D.D.), Law (LL.D.), Civil Law (D.C.L.), Medicine (M.D.), Science (D.Sc.), Philosophy (Ph.D.), Music (Mus.Doc.), Literature (D.Lit.).

Doctors' Commons, houses occupd. by an assoc. of Doctors of Civil Law who fed at a common table; estabd. 1509 near St. Paul's, Lond.; society incorporated 1768; dissolved under Act of 1857.

Doczy, L. v., Hung. ☉ & misc. ⁄, * 1845.

Dod, John, Puritan ✝, * 1547, † 1645.

Dodd, 1] Willm., ✝ & misc. ⁄, * 1729 Bourne; executd. for forgery 77. 2] Chas., R. Cath. ⁄, † 1745.

Doddridge, Philip, Nonconfst. ✝ & ⁄, * 1702 Londn., † 51 Lisbon.

Dodecahedron, geom., solid fig. contained by 12 equal sides, ea. of which is a regular pentagon.

Doderidge, John, Eng. ⚖, * 1555 Barnstaple, † 1628. ⁄.

Dodge, Mary Abigail ("Gail Hamilton"), American ⁄, * ca. 1830 Hamilton, Mass.

Dodo, ornith., large extinct bird of fam. *columbidæ;* in Mauritius till ca. 1690; *didus ineptus;* wings rudimentary, weight ca. 70 lbs.

Dodona, oracle of Zeus, in Epirus.

Dodsley, Robert, poetical ⁄ & bookseller, * 1703 Mansfield, † 64.

Dodsworth, Roger, Eng. Ψ, * 1585 Yorkshire, † 1654. ⁄.

Dodwell, Henry, ☙ & Ψ ⁄, * 1641 Dublin, † 1711.

Doe, zool., she-deer, she-rabbit.

Doegling Train Oil, oil obtnd. from bottle-nosed whale; good fuel for lamps.

Dog, zool., the gen. *canis,* esp. *canis familiaris,* or common D., of wh. there are many varieties, as greyhound, bull-dog, turnspit, terrier, &c., & dingo & dhole.

Dog, ✳, 1] Grter. D., *canis major.* 2] Lesser D., *canis minor;* both constellations of S. hemisphere.

Dog-days, *dies caniculares,* 40 days during which Sirius, in Canis Major, rises & sets nearly with the sun; 3/7–11/8; supposed to be hottest in year.

Dog-fish, ichth., any species of genus *scyllium;* small oviparous sharks; esp. spotted Dog-Fish, *S. canicula;* large spotted Dog-F., *S. catulus;* black-mouthed Dog-F., *S. melanostomum:* the eggs are known as mermaids' purses, sea-p., &c.

Dog-rose, ☙, *rosa canina,* wild brier; fruit known as hip, dog-cherry, dog-chowp.

Dog-star, ✳, Sirius.

Dog-watch, ⚓, a short watch; pt. of a watch that is divided into 2, *e.g.,* from 4–6 or 6–8 p.m.

Dogaressa, wife of a Doge.

Dog's-tail Grass, ☙, *cynosurus cristatus,* good for dry lands.

Doge, duke, ancient title of chief magistrates of Venice & Genoa up to fall of those republics, 1797. First D. of Ven. 697, of Genoa 1339.

Dogger, ⚓, 2-masted fishing-vessel with bluff bows; ca. 80 tons.

Doggerbank, sandbnk. in Germ. O., between Eng. & Denm., 320 × 40–60 m.; ⚓ ✕ 5/8 1781, indecisive.

Dogsbane, ☙, the genus *apocynum,* or *aconitum cynoctonum.*

Dogwood, ☙, plants of genus *cornus,* espec. *C. sanguinea;* also *euonymus europæus, rhamnus frangula,* charcoal used in gunpowder, *viburnum opulus.*

Doherty, John, ⚖, * 1783, † 1850; chf. jus. of Ir. Comm. Pleas 30.

Dohm, Ernst, humor. ⁄, * 24/5 1819 Breslau, † 5/2 83 Berlin.

Doit, 1] Dutch coin = $\frac{1}{168}$ gulden = ca. ½d. Eng. 2] Ancient copper

coin of Scot. 3] Ind. copper coin = $\frac{1}{16}$ rupee = *ca.* ½d. English.

Dolabella, Publ. Cornel., Rom. statesm., * 70 B.C., † by suic. 43 B.C.

Dolben, John, ✝, * 1625, † 86; bp. of Rochester, archbp. of York.

Dolce, Ital. = 𝄢, sweetly, softly.

Dolce far niente, Ital., sweet idleness.

Dolci, Carlo, Italian ●, * 1616 Florence, † 86.

Dôle, Fr. ⊙ on Doubs; 12,000 inh.; taken by Germans 21/1 1871.

Dolet, Étienne, Fr. poet. / & typog., * 1509 Orleans, † 46 Paris at the stake.

Dollar, coin of U.S. & Canada =100 cents=*ca.* 4s. 2d.; silver or gold. U.S. gold D. weighs 25·8 grs.; silver D., 412·5 grs. The Canad. D. now repres. by paper. Mex. silver D.=*ca.* 4s. 3½d., & weighs 417·7 grs. Sign for dollar, $.

Döllinger, John Joseph Ign., R. Cath. ✝, * 28/2 1799 Bamberg; prof. of eccles. ☙ at Munich, opposed Papal infallibility 1870, banished, joined Old Catholics. /.

Dollond, John, optician, * 10/6 1706 London, † there 30/11 61.

Dolmen, prehistoric monument with superimposed stone.

Dolomite, ◆, brittle, subtransparent or translucent mineral w. vitreous lustre; specif. grav. 2·8–2·9; composed of carbonates of lime & magnesia.

Doloroso, Ital. = 𝄢, pathetic.

Dolphin, zool., the gen. *delphinus*, or the family *delphinidæ*, including porpoise & narwhal.

Dom, 1] title given to eccles. & monastic dignitaries. 2] Courtesy title of membs. of upper classes in Portugal & Brazil. 3] German = cathedral or large church.

Dome, △, a spherical or concave roof over a circular or polygonal buildg.: oldest, that of Pantheon, Rome, 1st cent.; height 143 ft., diam. 142 ft. That of St. Peter's, Rome, is 330 ft. high & 139 ft. in diam. That of St. Paul's, London, is 215 ft. high & 112 ft. in diameter.

Domenichino (D. Zampieri), ● & △, * 21/10 1581 Bologna, † 15/4 1641 Naples.

Domesday Book, Lat. register of the land in Eng., made under Wm. I. by ord. of Counc. at Glo'ster 1085; gives particulars of cultiv., wood, ⁄, value, tenure, owner., & inh. Durham, Northumb., Cumb.; pts. of Lancash. & Westmoreland: Monmouthsh., London, & Winchester omitted. Served as basis for taxation; preserved in Pub. Record Office, London.

Dominant, 𝄢, the fifth note of the scale of any key.

Dominic, St. (Dominic de Guzman), Span. ✝, * 1170 Calahorza, † 1221; canonised 1233.

Dominica, or Dominique, Brit. W. Ind. island, one of Leewards; 290 s.m., 29,000 inh.; discovd. by Columbus 1493. Cap. ⊙, Roseau.

Dominical Letter, or Sunday L.: letter used in calendars to mark the Sundays of the year. For rule concerning, it r. Bk. of Com. Prayer.

Dominican Republic, State occupying E. end of W. Ind. island of Hayti, or San Domingo; established 1844. Cap. ⊙, San Domingo, 18,045 s.m., 250,000 inh.

Dominicans, order of R. Cath. preaching friars, fnded. at Toulouse 13th cent. by St. Dominic; Blackfriars.

Dominus, Lat. = lord, master; *Dominus vobiscum* = the Lord be with you: liturgical blessing.

Domitianus, Titus Flavius, Rom. emp., * 24/10 51, son of Vespasian; suc. his brother Titus 81, assass. by his w. Domitia 18/9 96.

Don, 1] David, ☙, * 1800 Forfar, † 1840 London. /. 2] His father, Geo., ☙, * *ca.* 1770 Dundee, † 1814 Forfar. 3] His s., Geo., ☙, * 1798 Forfar, † 1856 Kensington. /.

Don, Sp. courtesy title, formerly confined to king, princes, &c., but now equivalnt. to esquire. Equiv. woman's title, duena or doña.

Don Juan, myth. character in Span. legends of 14th cent.: subject

of ♀s by Tirso de Molina, Molière; of ballets or operas by Gluck, Mozart, &c.

Dona, or Dueña, *v.* Don.

Donatello (Donato di Betto Bardi), Ital. ♎, * 1386 Florence, † 13/12 1466.

Donati, 1] Giov. Batt., ♃, * 1826 Pisa, † 73 Florence; discovrd. D.'s comet 2/6 58. 2] Cesar, nov. ✓, * 10/9 1826 Lugo di Romagna.

Donatists, Christ. schismatics of Afr., 4th–7th centa.; followed Donatus, bishop of Casa Nigra.

Doncaster, ⊙ W. Rid. of Yorksh.; races estabd. 1703; 21,500 inh.

Donders, Franz Corn., optical surg., * 27/5 1818 Tilburg.

Dondukoff-Korsakoff, Alex., Prince, Russian statesman, * 1822; govr. of Bulgaria 78, of Charkoff 80, of Caucasus 82.

Donegal, 1] ⚓ co. N.W. of Ireland; 1,870 s.m., 206,000 inh.; rets. 4 M.P.s: N., S., E., & W. Chief ⊙, Lifford. 2] ⊙ at mouth of Esk, on D. Bay; bathing; 1,400 inh.

Dongola, Nubian distr. on both banks of Nile; formerly a kingdm., later Egyptian; abandoned 1885. Chf. ⊙, Kasr-Dongola, or New D., on Nile, 20,000 inh.

Donizetti, Gaetano, Italian ♁ composer, * 29/11 1797 Bergamo, † there 8/4 1848. *Lucia di Lammermoor* 38, *La Fille du Régiment*, *La Favorita*, *Lucrezia Borgia* 34.

Donkey, an ass. D.-engine, an auxiliary engine for pumping, &c.

Donne, John, Eng. † & poet. ✓, * 1573 London, † 1631; dean of St. Paul's.

Doo, Geo. T., engraver, * 1800; R.A. 56, retired, † 13/11 86.

Doorga, Hindu myth., Kalee.

Dorado, Greek = Swordfish, ♃, constell. in S. celest. hemisph., betw. Ship & Eridanus. *v.* El Dorado.

Doran, John, Ψ ✓, * 1807, † 25/1 78. Edited *Notes & Queries*.

Dordogne, inland departmt. of S.W. Fr., part of old prov. of Guienne; 8,546 s.m., 490,000 inh. Chf. ⊙, Périgueux.

Dordrecht, *v.* Dort.

Doré, P. Gustave, ♈ & illustrator, * 6/1 1833 Strasburg, † 23/1 83 Paris.

Doria, Andrea, Genoese patr. & ⚓ offr., * 30/11 1468, † 15/11 1560; liberated Italy from France 1528.

Dorians, anct. Grk. race of Peloponnesus; rude & simple: gave name to Doric dialect & D. ▲.

Doric Order, ▲, *v.* Column.

Doris, the land of the Dorians.

Dormer Window, ▲, vertical window in sloping roof.

Dormouse, zool., a small mammal, *myoxus avellanarius*, common in Britain; torpid in winter.

Dorn, Heinr., ♆, * 14/11 1804 Konigsberg.

Dorobanzi, Roum. infantry.

D'Orsay, Alfred, Count, ✓, * 1798 Paris, † there 1852.

Dorset, marit. co. of S. Eng.; 980 s.m., 192,000 inh.; rets. 4 M.P.s: N. (Shaftesbury), S., E. (Wimborne), W. (Bridport). Chief ⊙, Dorchester.

Dorset, *v.* Sackville.

Dort, or Dordrecht, ⚓ ⊙ Hollnd., on Maas; docks; 27,500 inh.; synod 1618-19, against Arminians, directd. Dutch translation of Bible.

Dory, *v.* John Dory.

Dost Mohammed Khan, Ameer of Kabul, * *ca.* 1798, suc. 1833, war w. Eng. 39, treaty with England 55; † 9/6 63.

Dostojevski, Feod., rom. ✓, * 1818 Moscow, † 9/2 80.

Dot, ♆, pnt. placed after a note or rest, increasing its length by one-half. Where there are 2 D.s, the second = half the first.

Dotterel, ornith., a species of plover, *charadrius morinellus*.

Douai, French ♛ ⊙ Nord, on Scarpe; univ. 1562, R. Cath. coll. for priests 1568. D. Bible, Eng. R. Cath. transl. made at Rheims 1582 & at D. 1609–10; 25,000 inh.

Douane, Fr. = custom-house.

Douay, 1] Charles Abel, French general, * 1809, killed 4/8 70 at ✕ Wissenburg. 2] His brothr., Felix,

C., * 1816; to Mex. 61–63, prisoner at Sedan 70, † 4/5 79.

Double-bass, ♆, largst. strngd. instrmt. played w. a bow; invntd. 1580 by Gaspar di Salo; 3–4 strngs.

Double-entendre, Fr., *mot à double-entente,* word having double meaning.

Double Stars, ⁂, two stars so close together as to seem one.

Doubloon, anct. Sp., Mexican, & S. American gold coin, also called *onza* = 100 reals = 21s. English.

Doubs, dept. of E. Fr., pt. of old prov. of Franche-Comté; 2,018 s.m., 310,000 inh. Chief ⊙, Besançon.

Douce, Francis, / & Ψ, * 1762, † 1834.

Doucet, Ch. Camille, Fr. ✆ /, * 16/5 1812 Paris.

Douceur, Fr. = present, drink-money.

Douglas, 1] Gawain, Scot. ✝ & poet. /, * *ca.* 1474, † 1522 London; bp. of Dunkeld, transltd. "Æneid." 2] Sir Chas., Scot. ⚓ offr., captain 1760, commanded flag-ship in ✕ 12/4 1782, rear-adm. 87, † 89 Edinburgh. 3] David, Scot. ♂, * 1799 Scone, † 1834 Hawaii. 4] Sir Howard, s. of 2, Brit. genl. * 1776 Gosport, † 1861; govr. of New Brunswick 23, M.P. 42. /. 5] James, ✝, * 1675, † 1742. /. 6] John, ✝, * 1721 Pittenweem, † 1807; bp. of Salisbury. /.

Douglass, Frederick, orator & journ. /, s. of white man & negro slave, * Tuckahoe, Maryland, *ca.* 1817; escaped from slavery 38, abolitionist.

Doulut Rao Scindia, Ind. prince, * 1779, suc. 1794; deftd. by British at ✕ Assaye 23/9 1803, † 27.

Doum Palm, ♂, *hyphæne thebaica,* a branched palm of Egypt.

Dove, ornith., the gen. *columba,* espec. *c. œnas,* Stock-D.; *C. palumbus,* Ringdove; *C. turtur,* Turtle-dove. Symbol of Holy Ghost.

Dover, ⚓ ⊙ Kent, Eng.; chf. of Cinque Ports, castle blt. by Saxons, ⊕; 31,000 inh., returns 1 M.P.

Dover's Powder, ✝, sudorific & sedative, of 10 pts. ipecacuanha & opium, & 80 parts sulphate of potash; named from inventor.

Dow, or Douw, Gerard, Dutch genre ⊕, * 1613 Leyden, † there 75.

Dowdall, Geo., R. Cath. archbp. of Armagh 1542, † London 58.

Dowland, John, ♆, lutist, & singer, * 1562 Westminster, † *ca.* 1625; friend of Shakespeare.

Down, marit. co. East Ireland; 967 s.m., 272,500 inh.; returns 4 M.P.s: N., S., E., W. Chief ⊙, Downpatrick, 4,000 inhabitants.

Downing, Andrew Jackson, Amer. hortic. /, * 1815 Newburgh, N.Y., † 51.

Downing Professorship, of Eng. ♃ at Cambridge; founded by Sir George D. 1800.

Downs, The, roadstead betwn. N. & S. Forelands, coast of Kent.

Dowse, Richd., ♃, * 1824 Dungannon; M.P. 68, Ir. Sol.-Genl. 70, Ir. Attor.-Genl. 72, baron of Ir. Exchequer 72.

Doyen, esp. of diplomats, senior.

Doyle, 1] Sir Chas. Willm., Brit. genl., * *ca.* 1777, † 1843. 2] James, Ir. R. Cath. ✝, * 1787 New Ross; bp. of Kildare 1819, † 34. /. 3] Sir John Milley, Brit. genl., * 1756 Dublin; raised 87th Regiment 93, Sec. of War in Irlnd., bart. 1805, † 34. 4] John (pseudonym "H.B."), caricaturist, * 1797, † 1868; contributed to *Punch* & the *Cornhill Mag.* 5] His s. Richd., artist & caricat., * 1826 London, † 11/12 83. 6] Sir Francis Hastings C., * 22/8 1810; professor of poetry at Oxford 67. /, † 8/6 88.

D'Oyly, Geo., ✝, * 1778 London, † 1846; /; w. Mant, edited Bible.

Dp, ♃, symb. of metal decipium.

Drachenfels, ▲ on Rhine ⚓, near Bonn, 1,050 feet.

Drachm, or Dram, in English apothecaries' weight = 60 grs. = ⅛ oz.; represents anct. Grk. *drachma.* In avoirdupois weight = $\frac{1}{16}$ ounce.

Drachma, coin of anct. Greece, about equal to Rom. *denarius* (*q.v.*). An Attic weight = 66 grs. avoirdp.

An Eginetan weight = 110 grains. avrdp. Mod. Grk. D.=100 lepta= *ca.* 9½d.

Drachmann, Holger, Dan. lyr. & romance ✍, * 9/10 1846 Copenhagen.

Draco, Athen. legisl., *ca.* 620 B.C.; made every offence capital. Code supersed. by that of Solon, 594 B.C.

Draco, the Dragon, ✈, constellatn. of N. celest. hemisph. round N. pole, conts. 2 stars of 2nd magn.

Dragée, comfit containg. a seed.

Dragoman, oriental interpreter.

Dragon, in myth., fabulous animal between a bird & a reptile. In ✈, *v.* Draco. In zool., the Flying Lizard (*q.v.*).

Dragon-fly, entom., pop. name of the family *libellulidæ*, of tribe *subulicornia*, with hind wings of same size as anterior; 1,400 specs.

Dragon-wort, ❦, *polygonum bistorta.*

Dragon's Blood, ❦, 1] *calamus draco* of Sumatra; its fruit yields a resinous subst. which is the D.'s B. of commerce. 2] *Geranium robertianum.* 3] *Dracæna draco*, of W. Africa, &c.

Dragon's Head, Dragon's Tail, astrol. names of points at which path of moon cuts ecliptic.

Dragonetti, Domenico, double-bass playr., * 1771 Venice; to Eng. 95; † 1846 London.

Dragonnades, relig. persecs. in Fr., under Louis XIV., dragoons being the instruments employed.

Dragoon, ✕, a cavalry soldier who could be dismounted; first regiment raised in England 1661. In ornith., a var. of pigeon sometimes used for messages.

Drake, 1] Sir Francis, Eng. ⚓ officer, * *ca.* 1539 nr. Tavistock, † 28/1 96 off Puerto Bello; round world 77–80; served against Armada 88. 2] Friedrich, ♫, * 23/6 1805 Pyrmont, † 6/4 82 Berlin. 3] James, ⚕ & ✍, * 1667 Cambridge, † 1707 Westminster; edited *Mercurius Publicus.* 4] Nathan, ✍, * 1766 York, † 1836 Hadleigh. 5] William Richard, polit. & art ✍, * 1817, kntd. 6/9 69.

Dram, *v.* Drachm.

Drama, a ✍ compositn. intend. to be acted & descriptive of real life; tragic or comic: first comedy played at Athens 562 B.C., first tragedy 486 B.C.; first English comedy, *Ralph Roister Doister*, by N. Udall, *ca.* 1550.

Draper, John Willm., ☤ & art ✍, * 5/5 1811 St. Helens, † 4/1 82.

Dravidian, of langs., belong. to the group which includes Tamil, Telugu, Malabar, Canarese; from Dravidas, who once peopled India.

Drayton, Michael, Eng. poet. ✍, * 1563 Hartshill; poet-laureate 29, † 1631 London. "Polyolbion."

Drenthe, prov. of Holland, S. of Gröningen; 1,689 s.m., 118,000 inh. Chief ⊙s: Assen, Meppel.

Dresden, capital ⊙ Saxony, on Elbe. D. china at Meissen, 14 m. away; 225,000 inh. Treaty of D. 26/12 1745; ✕ 26–27/8 1813, Napoleon vict.; occupied by Pruss. 66.

Dreux, Fr. ⊙ Eure-et-Loire; tombs of Orleans fam.; 7,500 inh.; occupied by Germans 17/11 1870.

Drew, Samuel, Method. † & Ψ ✍, * 1765 near St. Austell, † 1833.

Dreyschock, Alex., pianist, * 15/10 1818 Zack, † 1/4 69 Venice.

Dreyse, J. Nic. v., ⊕, * 22/11 1787 Sömmerda, † there 9/12 67; invented needle-gun 41.

Drift, ⚒, loose accumulation of transported matter, generally unstratified.

Drogheda, ⚓ ⊙ Meath & Louth, Ireland, at mth. of Boyne; 15,000 inh.; capt. by Cromwell 1649; ✕ of the Boyne 1690, 3 miles away.

Drôme, dept. of S.E. Fr., pt. of old provs. of Dauphiné & Provence; 2,518 s.m., 324,000 inh. Chief ⊙, Valence.

Dromedary, zool., *camelus dromedarius*, the Arabian camel; has single hump; swift; for riding.

Drone, the male of the honey-bee, *apis mellifica*; does not work, only fecundates queen-bee.

Droschke, Droski, 4-wheeled open carriage in wh. passengers sit across a central seat.

Drouot, Ant., Ct., Fr. general, * 1774 Nancy, † 1847.

Drouyn de l'Huys, Ed., Fr. statesman, * 19/11 1805 Melun; 3 times For. Minist. 48–66, † 1/8 81.

Druidism, relig. system taught by Druids to anct. Brits. & Gauls; worship of sun as Baal, the serpt., &c., veneration of oak & misletoe; human sacrifices. Druids were ♂s, ♀s, & priests. Expelled by Roms.

Drum, ♥, percussion instrmt. of anct. orig.; either *long-drum*, with two heads, both of which are used; *side-drum*, with two heads, only one of which is used; or *kettle-drum*, concave metal shell, with parchment head over opening: last introduced into orchestra by Handel.

Drumclog, ⊙ Lanarksh.; ⚔ 1/6 1679, Graham deft. by Covenanters.

Drummond, 1] William, of Hawthornden, Scotch poet. ✓; * 1585 Hawthornden, † 1649. 2] Thos., ⚒ ⊕, * 1797 Edinb., † 1840 Dublin; invented D. light. 3] Sir William, diplom. & ✓, * ca. 1770, † 1828 Rome.

Drummond Light, earliest form of limelight; stream of oxygen driven through flame of alcohol on to a ball of lime.

Drupe, ✱, a stone-fruit, as of peach, cherry, &c.

Drury, Joseph, ✝ & scholar, * 1750 London, † 1834; hd.-mastr. of Harrow 1785–1805.

Druschine, Russ. = battalion.

Druses, semi-Mahometan Christians of Lebanon & Antilebanon, Syria, under Christn. govr. apptd. by Porte; number, 250,000; chf. ⊙, Deir-el-Kamar; many massacrd. by Mahoms. 1860. Followers of El-Hakim-Biamr-Allah, 6th Fatimite Khalif of Egypt, 11th cent.

Drusus, brother of Rom. emp. Tiberius, * 38 B.C.; entered Germany, died returning 9 B.C.

Dry Distillation, *v.* Destructive Distillation.

Dry Rot, disease caused by spec. of fungus on wood, wh. becomes friable; prevented by creasote or corrosive sublimate.

Dryads, Greek myth., woodnymphs.

Dryden, John, Eng. poet., crit., & ✆ ✓, * 9/8 1631 Aldwinkle, † 1/5 1700 London; flattered Cromwell & Chas. II. "Annus Mirabilis" 1667, "Absalom & Achitophel" 81, "Religio Laici" 84, "Hind & Panther" 87, laureate.

Dschami, Pers. epic ✓, * 1414, † 92. "Baharistan."

Dualin, explosive mixture of nitro-glycerine, saltpetre, & sawdust; discvd. by Karl Ditmar 1869.

Dualism, ∴ syst. wh. refers all things to two ultimate principles: taught by Vedas, Pythagoras, Descartes, the Manichæans.

Dubarry, Jeanne, Countess, *née* Vaubernier, * 19/4 1746 Vaucouleurs; m. Cnt. D. 64, mistress of Louis XV. 69, guillotined 6/12 93.

Dubienka, Polish ⊙ on Bug; 4,500 inhabitants; ⚔ 17/7 1792.

Dublin, marit. co. of E. Irlnd.; 354 s.m., 420,000 inh.; returns 2 M.P.s: N. & S. Chief ⊙, D.

Dublin, chf. ⊙ of co. D. & cap. of Irlnd., at mouth of Liffey, on D. Bay; castle, fnded. 1205; Bank of I., formly. Ho. of Parlt.; cathed., fnded. 448; univ., fnded. 1591; Prot. & Rom. Cath. archbishops; 275,000 inh.; rets. 4 M.P.s: viz., College Green, D. Harbour, St. Patrick's, St. Stephen's Green. Dublin Univ., with 4,100 electrs., also rets. 2 M.P.s.

Duboc, 1] Ch. F. ("Rob. Waldmuller"), rom. ✓, * 17/9 1822 Heidelberg. 2] His brothr., Jul., ∴ ✓, * 10/10 1829.

Dubois-Pigalle, P., ✆, * 18/7 1829 Nogent-sur-Seine.

Du Bois Reymond, Emil, ♂, * 7/11 1818 Berlin. ✓.

Ducamp, Maxime, poet. & misc. ✓, * 8/2 1822 Paris.

Ducat, anct. coin of Italy, &c.; silver = ca. 4s. 6d., gold = ca. 9s. 6d.; first coined in Venice 12th century.

Ducatello, Egyptian coin=½ piastre=*ca.* ⅔d.

Du Chaillu, P. B., Afr. travlr. & ✓, • 31/9 1835; to Amer. 52, to equat. Africa 55–59, 63–65. "Explorations in Equatorial Africa" 61, "Country of the Dwarfs" 71, &c.

Duchesne, André, Fr. ♛, ○, & philol. ✓, • 1584 Ile-Bouchard, † 1640.

Ducis, J. Franç., Fr. ✆ ✓, • 1733 Versailles, † 1816.

Duck, ornith., popular name of fam. *anatidæ*, & esp. of sub-fams. *anatinæ* & *fuligulinæ*: *e.g.* pintail D., *anas acuta*; long-tailed D., *fuligula glacialis*; scaup D., *fuligula marila*; wild D., *anas boschas*; eider D., *somateria mollissima*.

Duck-bill, or Duck-mole, zool., *ornithorhynchus anatinus*, duck-billed *platypus*, gen. of Austral. mammals; snout like duck's bill, feet webbed.

Duckweed, ✿, the whole order *lemnaceæ*: common in ponds.

Duckworth, 1] Sir John Thos., Brit. adm., • 1747, † 1817 Plymth.; capt. 1780, vice-adm. 1804; deftd. Fr. off St. Domingo, repulsed at Constantinople 07; bart. 16. 2] Robinson, †, • 1834; tutor to P. Leopold 66–70, canon of Westminster 75.

Duclerc, Ch. Theod., Fr. polit., • 9/11 1812 Bagnères de Bigorre; Min. of Fin. 48, Prem. 82, † 22/7 88.

Ducrot, Aug. Alex., Fr. genl., • 1817 Nevers, prisnr. by Germans 70, broke his parole; † 16/8 82. ✓.

Ductility, the property of being capable of being drawn out at great length, possessd. by many metals & esp. by gold, silver, platinum, iron, & by red-hot glass, &c. A grain of gold will yield 500 feet of wire.

Dudevant, Amantine Lucile Aurore, *v.* Sand, George.

Dudley, ⊙ Worcestershire, coal & iron ⚒; 46,500 inh.; rets. 1 M.P.

Dudley, 1] Ambrose, ✕, • 1530, † 89; defended Havre 1563. 2] Edmund, • 1462, † 1510; Speakr. of Ho. of Commons 04, executed. 3] His son John, earl of Warwick & dk. of Northumberland, • 1502 London; as Ld. High Adm. deftd. French fleet, executed 23/8 53.

Duet, ♫, compostn. for 2 voices, instrs., or players on 1 instrument.

Dufaure, Jules Arm. S., French statesm., • 4/12 1798; Min. of Inter. 1848, 49, of Just. 73–75, Premier 76, 77–79; † 27/6 81.

Duff, 1] M. E. Grant-, statesm. & polit. ✓, • 1829; M.P. 57, Under Sec. for India 68–74, governor of Madras 5/11 81. 2] Robt. Willm., • 1835; Junior Lord of Treas. 82, Civ. Lord of Admlty. 86.

Dufferin, Fredk. Temple Hamilton-Blackwood, 1st earl of, statesman & ✓, • 1826 Florence; British Commissnr. to Syria 60, Undr. Sec. for India 64–66, for War 66–67, Chanc. Duchy Lanc. 68–72, earl 71, Gov.-Genl. Canada 72–81, ambass. Turkey 81, Viceroy of India 84–88, marq. & amb. Italy 88.

Duffy, Sir Chas. Gavan, journ. ✓ & polit., • 1816 Monaghan; estab. *Nation* 42, tried for sedition 44, for treason-felony 48, to Austral. 50, Min. of Public Works, Victoria, 57, of Lands 58, 62, Premier of Victoria 71–72, kntd. 73.

Dufour, William Henri, Swiss genl., • 15/9 1787 Constance; ✓; † 14/7 1875 Geneva; statue there 84.

Dugazon, J. B. H., Fr. com. ✆, • 1743 Marseilles, † 1809 Sandillon.

Dugdale, Sir William, Eng. Ψ ✓, • 1605, † 1686. "Monasticon Anglicanum;" MSS. in Bodleian.

Dugong, zoology, herbivorous manatee, *halicore dugong*, found in shallow bays; length 10–20 feet.

Duguay-Trouin, René, French adm., • 1673 St. Malo, † 1736 Paris; defeated British 07, captd. Rio 11.

Duigenan, Patrick, Ir. polit. & ✓, • 1735; Ir. M.P. 90, † 1816.

Duilius, Caius, Rom. consul 260 B.C.; first ⚓ vict. over Carthage.

Duim, Dutch meas. = 0·39671 inch.

Duke, highest order of British peerage; title first introd. to Eng. 1337. If D. is of Roy. Fam. he is styled "Your Royal Highness;" if not, "Your Grace" & "Most Noble." Eldest s. bears by courtesy his 2nd title, usually Marquis; other sons are Lords. Coronet bears 8 strawberry leaves.

Dulcigno, or Olgun, ⚓ ⊙ on Adriat., ceded to Montenegro 1880; ⚒, trade; 8,000 inhabitants.

Dulcimer, 𝄩, anct. instrumnt. of unknown form; now stringed instrmnt. played by hammers held in the hand.

Duleep Singh, Maharajah, son of Runjeet Singh, Rajah of the Panjab, * 1838; received a pension of £40,000 per ann. when his territ. was annxd., procld. hims. a reb. 87.

Dulse, ⚘, seaweed used in Scot. as food; either *fucus palmatus* or *rhodymenia palmata:* eaten raw.

Dumas, 1] Alexandre D. (*père*), Fr. nov. & ✆ /, * 24/7 1803 Villers-Cotterets, † 10/12 70 Puys; "Monte Cristo," &c. 2] His s., Alex. (*fils*), nov. & ✆ /, * 28/7 1824. "Dame aux Camelias," &c. 3] J. Bapt., ⚗, * 15/7 1800 Alais, † 11/4 84 Cannes. 4] Ch. Louis, surg. & ✠, * 1765 Lyons, † 1813. /. 5] Mathieu, Ct., Fr. genl., father of 1, * 1753 Montpellier, † 1837 Paris.

Dumbarton, co. of W. Scot.; 270 s.m., 79,500 inh.; rets. 1 M.P. Chief ⊙, D., on Clyde; 14,000 inh.

Dumesnil, Marie Françoise, Fr. tragic ✆, * 1711 Alençon, † 1803 Boulogne.

Dumfries, border co. of Scot.; 1,103 s.m., 78,000 inh.; rets. 1 M.P. Chf. ⊙, D., on Nith; mausoleum of Burns; 17,200 inh.; w. other burghs returns 1 M.P.

Dumont d'Urville, J. S. C., Fr. navig. & naturalist, * 1790, † 1842.

Dumouriez, C. F., Fr. genl., * 25/1 1739 Cambrai; For. Minist. 92, commd.-in-chf. in Austr. 93, † 14/3 1823 near London.

Dunajewski, Jul., Austr. statesman, * 1822 Galicia; Minister of Finance 80.

Dunbar, Scot. ⚓ ⊙ in Haddingtonshire; ⚒s 1296, 1650; 3,800 inh.

Dunbar, Willm., Scot. poet. /, * *ca.* 1460, † *ca.* 1520.

Duncan, Adam, Visct., British adml., * 1731 Dundee, † 1804 near Edinburgh; capt. 1761, deftd. Dutch off Camperdown 97.

Duncan, 1] Jonathan, * *ca.* 1760; gov.r. of Bombay 1800, suppressed infanticide. 2] James Matthews, ✠, * 29/4 1826 Aberdeen; founded Hospital for Sick Children, Edinburgh. 60. /.

Duncker, Max W., ✍ /, * 1811 Berlin; † 86.

Dundas, 1] Henry, Visct. Melville, statesm., * 1741, † 1811; impeached & acquitted 05; peer 02. 2] Sir David, Brit. genl., * *ca.* 1735 nr. Edinburgh, † 1820; commd.-in-chf. 1809. 3] Hon. Sir Rich. Saunders, Brit adml., * 1802 near Edinburgh; commd. Baltic Fleet 55, † 61 Lond.

Dundee, ⚓ ⊙ Forfar., on Firth of Tay; 141,000 inh.; rets. 2 M.P.s.

Dundee, Visct., *v.* Graham, John.

Dundonald, *v.* Cochrane.

Dunedin, cap. ⊙ of prov. Otago, New Zealand, on Otago harbour; fnded. 1848, largest ⊙ of colony; its port is Pt. Chalmers: pop. 39,000.

Dunes, sand-hills on sea-shore.

Dunfermline, Scot. ⊙ in Fife, on Firth of Forth; 17,200 inh.; one of Stirling group of burghs.

Dungans, Mahom. inhabitants of N.W. China.

Dunkirk, Dunquerque, Dünkirchen, Fr. ⚓ ⊙ in Nord, on Strait of Dover; 39,000 inh.; captrd. by Cromwell, ransmd. from Charles II.

Dunmow, Great, ⊙ Essex, 3,000 inh. Two m. off is the villg. of Little D., where in 1244 a prize of a flitch of bacon was establd. for the couple who had neither quarrelled nor repented for a year & a day after marriage.

Dunning, John, *v.* Ashburton.

Dunois et de Longueville, Jean, Comte de ("The Bastard of

Orleans"), Fr. soldier, * 23/11 1402; nat. son of Louis of Orleans, fght. against England, † 24/11 68.

Dunraven W. T. Wyndham-Quinn, 4th earl of, * 1841; Und. Sec. for Cols. 85. ✓.

Duns Scotus, John, Scot. Franciscan monk, †, & scholiast, * 1274; professor of † Oxford 1301, † 08 Cologne. ✓.

Dunstable, John of, Eng. ♮, * 1400, † 58.

Dunstan, St., Eng. † & polit., * ca. 924 Glastonbury, † 988; abbot of Glastonbury & archbp. of Cant.

Duodecimals, or Cross-Multiplication, arithm. rule for finding areas of surfs. & contents of solids.

Duodecimo, bibliog. & typog., 12mo; formed of sheets folded into 12 leaves.

Duodenum, human anat., the first part of the small intestine.

Dupanloup, Fel. Ant. Phil., Fr. †, bp. of Orleans, * 3/2 1802, † 11/10 78 Lacombe.

Dupleix, Joseph, marq. de, Fr. statesm. & genl., * ca. 1694; govr.-genl. of Fr. India 1742, defended Pondicherry 48, † 63.

Duplex Telegraphy, telegraphing simultaneously in opposite directions over one wire; invtd. by Gentl 1853, improved by Frieschen & Siemens-Halske 54, &c.

Dupont, A. Pierre, Fr. poet. ✓, * 23/4 1821; *songs*.

Dupont de l'Eure, Jacq. Ch., polit., * 27/2 1767 Neubourg; Min. of Just. 1830–31, Presdt. of Prov. Govt. 48, † 2/3 55.

Duppa, Brian, * 1589, † 1662; bp. of Salisbury & of Winchester; reputed co-✓ "Eikon Basilike."

Düppel, villg. Schleswig-Holst.; stormed 13/4 1849, 18/4 64.

Dupré, Jules, landscape ⊕, * 1812 Nantes.

Dupuy de Lôme, Stanislas, ⊕, * 15/10 1816 Ploemeur; designed first ironclad, experimntd. in aeronautics, &c.; genl.-inspector of French ⚓.

Duquesne, Abraham, French ⚓ offr., * 1610 Dieppe, † 88; defeated De Ruyter 76.

Dura Mater, anat., the hard outer membrane of the hum. brain.

Duran, Carolus, genre ⊕, * 4/7 1837 Lille.

Durand, Alice ("Hy. Greville"), ✓, * 12/10 1842 Paris.

Durban, ⊙ Natal, S. Africa; 27,000 inh.

Durbar, in E. Ind., grand official reception; audience-chamber.

Dürer, Alb., ⊕, etcher, engraver, ⌕, ▲, & ✓, * 21/5 1471 Nuremberg, † there 6/4 1528.

D'Urfey, Thos., Eng. ♪ & poet. ✓, * ca. 1650, † 1723.

Durham, ⚓ co. of N. Eng.; ⚒, ✓; 1,012 s.m., 870,000 inh.; rets. 8 M.P.s: N.W., S.E., Mid, Barnard Castle, Bishop Auckland, Chester-le-Street, Houghton-le-Spring, Jarrow. Chf. ⊙, D., on Wear: bpric., cathed. 11th cent., Univ. estabd. 1833; 15,600 inh., returns. 1 M.P.

Durnford, Richard, †, * 1802 Sandleford; bishop of Chichester 70.

Duroc, G. C. Mich., duke of Friuli, Fr. marshal, * 25/10 1772 Pont-à-Mousson, † in ⚔ 22/5 1813 near Reichenbach.

Durovernum, anct. ⊕, Canterbury.

Duruy, Vict., ♛ ✓, * 11/9 1811 Paris; Min. of Ed. 63–69.

Dusiens, *Celtic myth.*, demons producing nightmare.

Dussek, J. Ludwig, pianist, * 9/2 1761 Tschaslau, † 20/3 1812 St.-Germain-en-Laye; composer.

Dutch, of or belonging to the Netherlds. or Holland. D. auction, sale by decreasing the price until a bidder is found. D. beech, ♣, *populus alba*. D. Church, reformed Church acknowledging the Belgic Confession of 1571; presbyterian. D. clover, ♣, *trifolium repens*. D. foil, a rolled or hammered copper alloy. D. gold, alloy of copper 11, zinc 2. D. medlar, ♣, *mespilus germanica*. D. metal, a variety of brass, with excess of copper; very

malleabl. D.myrtle, ✿, *myrica gale*, used as substit. for tea. D. oven, chamber in wh. food can be cooked by radiation. D. pink, chalk dyed w. decoctn. of birch-leaves, French berries, & alum. D. School of ● includes Rembrandt, Ruysdael, the Teniers, the Breughels, Berghem, the Vanderveldes, &c. D. white, pigment composed of lead carbonate & barium sulphate.

Duyckinck, Evert Augustus, Amer. biog. & ✍ /, • 23/11 1816 New York, † 78.

Dvorák, Anton., Bohemian ♫, • 1841 Muhlhausen-on-Moldau; pupil of Brahms; composed *Stabat Mater* 83, *Spectre Bride* 85.

Dwale, ✿, belladonna, or deadly nightshade.

Dwight, Timothy, Amer. †, • 1752 Northampton, Mass., † 1817 Philadelphia. /.

Dwina, name of 2 ⚓s of Europ. Russ.: 1] rises in Vologda, flows 750 m. to White Sea; 2] or Duna, rises in Tver, flows 600 m. to Gulf of Riga.

Dwt., contraction of denarius-weight, *i.e.* pennyweight.

Dyaks, aborigines of Borneo; Malays; 20-30 dialects.

Dyce, 1] Alexander, misc. & crit. /, • *30/6 1798 Edinburgh; edited* Shakespeare 1857, † 15/5 69. 2] Willm., ●, • 1806 Aberdeen; R.A. 49, † 14/2 64 Streatham.

Dyck, Antony van, ●, • 22/3 1599 Antwerp, † 9/12 1641 London; pupil of Rubens; to England 1629, again 31, knighted 32.

Dyer, 1] Sir Edwd., Eng. diplom. & poet. /, • *ca.* 1540, † *ca.* 1610. 2] Geo., / & classical editor, • 1755 Lond., † 1841. 3] Rev. John, Eng. poet. /, • 1700 Aberglasney, † 58.

Dyke, Sir Wm. Hart, statesm., • 1837 Dartford; M.P. 65, Patr. Sec. of Treas. 74-80, Chief Sec. for Ireland 85.

Dynamics, branch of mechanics wh. deals w. action of force in producing motion. Is divid. into *kinematics*, which investigates motion: and *kinetics*, which investigates the relation between force & motion.

Dynamite, an explosive mixture of nitro-glycerine (*q.v.*) with a light porous siliceous earth.

Dynamo, dynamo-electric machine for intensifying electric currents; based on a discov. by Faraday that when a wire forming part of a circuit is moved in the vicinity of a magnet, or of another wire through which an electrical current passes, currents are induced in it. These are called induction currents.

Dynamometer, instrument for measuring power.

Dyne, the force wh., acting on a gramme for a second, generates a velocity of a centimetre per second.

Dysentery, ✚, disease of the intestines resembling diarrhœa, but with griping & evacuation of blood & slime; common in hot countries: treated with large doses of ipecacuanha, or with opium, alum, &c.

Dyspepsia, ✚, indigestion.

E.

E, fifth letter of alphabet; second vowel. In ♫, 3rd note of diatonic scale of *c major*, the *mi* of Ital. & French. E. = east. E. = 250. E, ♁, = erbium.

e.g., *exempli gratia*, Lat. = by way of example.

Eadie, John, †, • 1813 Alloa, † 3/6 76 Glasgow. /.

Eagle, ornith., Eng. name of *aquilinæ*, a sub-fam. of *falconidæ*, with hooked beak. Amer. bald or white-tailed E., emblem of U.S., *haliaëtus leucocephalus*. Booted E., *aquila pennata*. Crested or Harpy E., *thrasaëtus harpyia*. Martial E., *spizaëtus bellicosus*. Pondicherry E., *haliastur indus*. Golden or ring-tail E., *aquila chrysaëtos*. Rough-footed E., *aquila nævia*. White-tailed E., *haliaëtus albicilla*. In herald., a double-headed E. is embl. of Russ. Emp.

Rome, & imperial France. Symb. of St. John.

Eagle, U.S. gold coin = $10 = *ca.* £2 1s. 1d. Eng.; weight 258 grs. There are double, half, & quarter eagles of gold.

Eagle-owl, ornith., *bubo maximus.*

Eagle-wood, agila, aloes, or agalloch wood; wood of *aloexylon agallochum*, or of 2 sp. of *aquilaria.*

Ear, anat., organ of hearing: consists of *outer E.*, which collects the sound & wh. is closed by the membrane of the drum; *middle E.*, a cavity in temporal bone, behind the membrane; the *inner E.*, consisting of chambers in the bone containing the *membranous labyrinth* surrounded by *perilymph* & filled with *endolymph.* Thence the *auditory nerve* passes to the brain.

Earl, Brit. title of nobility of Dan. origin; ranks below Marquis & above Viscount: styled "Right Honourable," addressed as "My Lord." His eld. s. takes by courtesy the second title, which is generally Viscount. His w. is styld. Countess. Coronet bears 8 pearls on spikes altern. with 8 strawberry leaves.

Earl-Marshal, Eng. officer of State; office origlly. conferred by roy. grant, but heredit. since time of Chas. II. in fam. of dks. of Norfolk. He is head of Coll. of Arms.

Earle, John, †, * 1601; tutor of Chas. II.; bp. of Worcester, of Salisbury; † 65. /.

Early English: in philol., of the period 1250–1350 or later. In ▲, Early Pointed of the 13th cent., between Norman & Decorated.

Earth, ♁, planet on which we live. Its path in the heavens round the sun is the *ecliptic.* Its axis is inclined at angl. of 23½ degs. to plane of this path. It revolves on its axis in 24 hours, giving day & night. It revolves round the sun in one year. Its inclination gives variations of season. Diameter at poles 7,899 miles, at equator 7,926 m. Mean density *ca.* 5½ times that of water. Its only satellite is the moon (*q.v.*). Contains 259,800,000,000 cubic miles.

Earths, ⚗, oxides of aluminium, barium, strontium, calcium, magnesium; called alumina, baryta, strontia, lime, magnesia.

Earth-nut, ☘, 1] fruit of *arachis hypogæa.* 2] Tubercle of *lathyrus tuberosus.* 3] Tuber of *carum bulbocastanum.*

Earthworm, the annelid, *lumbricus terrestris*; yields oil used in ℞ for ear-ache.

Earwig, entom., *forficula auricularia.* Great E., *labidura gigantea.* Little E., *labia minor.*

Easement, ⚖, any privilege which one man enjoys of another without payment.

East India Company, association formed 1599 with capital of £30,000 to trade to the E. Inds.; chartered by Queen Elizabeth 31/12 1600; associatn. extend. & charter indefinitely renewed 1609; retained monopoly & became governors of Ind. till 1833, when trade was made free. Governing power withdrawn 1858, after Ind. Mutiny. Company dissolved 1874 under Act of 15/5 73.

Easter, Christn. festiv. in celeb. of resurrectn. of Christ; held on 1st Sunday after 14th day of calendar moon, wh. happens on or next after 21/3. May fall from 22/3–25/4.

Eastern Church, the Greek Ch.

Eastern Empire, that part of the Rom. Emp. wh. had its seat at Constantinople, 394–1453.

Eastern Roumelia, autonom. prov. of Europ. Turkey, creatd. by Treaty of Berlin, with governor & assembly; 13,860 s.m., 850,000 inh. Turk. Christn. govr., Gavril Pasha; expelled by revolution 18/9 1885: union with Bulgaria proclaimed; war with Servia; peace 3/3 86. Revenue *ca.* £600,000.

Eastlake, Sir Chas. Lock, Eng. ●, * 17/11 1793 Plymth.; R.A. 1830, P.R.A. 50, kt. † 24/12 65 Pisa. /.

Eau de Cologne, Cologne water;

perfume orig. mnfd. by Giov. Maria Farina at Cologne.

Eau de Javelle, solution of sodium hypochlorite.

Eau de Luce, ⚸, strong solutn. of ammonia, scentd. w. var. resins; remedy for snake-bite.

Eau de Vie, Fr. = water of life; English name for Cognac; brandy.

Ebb & Flood, the fall & rise of tides; process takes place twice in ca. 24 hours 50 minutes; caused by influence of moon & sun.

Eberhard, 1] II. ("*Der Greiner*"). Count of Württemberg; suc. 1344, vict. at ⚔ Döffingen 88, † 15/3 92. 2] Duke of Württemberg, * 11/12 1445; fnded. Tübingen Univ., head of Swabian Fed. 88, Dk. 95, † 24/2 96.

Ebers, Geo., Germ. Egyptol. & rom. ✓, * 1/3 1837 Berlin; to Thebes 72. "An Egyptn. Princess," "Homo Sum," &c.

Ebionites, sect of heretical Christnd. Jews in 1st & 2nd cents.

Eblis, orient. myth., a jinn, chf. of the fallen angels; Azazel.

Ebn, or Ibn, Arabian = son.

Ebner-Eschenbach, Marie v., Austrian ☺ & novel ✓, * 13/9 1830 Zislawetz.

Eboe, belonging to shores of bight of Benin. Eboe-tree, ✱, *dipterix eboensis*; yields oil.

Eboli, Anna de Mendoza, Pcess. of, * 1535; m. Ruy Gomez de Silva, P. of E.: mistr. of Phil. II. of Sp., † 79.

Ebony, ✱, wood of var. specs. of *diospyros*, esp. of *D. ebenus*, *D. ebenaster*, *D. melanoxylon*; heavy, black, durable. Amer. E., *brya ebenus*.

Ecarté, card game played by 2 persons with 32 cards.

Ecbatana, ancient ○, name of sev. ⊙s.; esp. cap. ⊙ Media, near modern Hamadan.

Ecce Homo, Lat. = Behold the man.

Eccentric, ⊕, convertg. circular into reciprocatg. rectilinear motion.

Ecclesiastes, bk. of Old Test.; author Solomon, or an unknown.

Ecclesiastical Commissioners, body constituted 1835 to administ. revenues of Ch. of Engnd., to rearrange parishes, &c. The Church Estates Commissioners are the paid treasrs. of the Commissn.

Ecclesiasticus, book of Apocrypha, also called Wisdom of Jesus the son of Sirach; written ca. 290–260 B.C.

Echard, Laurence, Eng. † & ✍ ✓, * 1671, † 1730.

Echelon, 1] ⚔, a formtn. in bodies one more advanced than another. 2] ⚓, a formation of a fleet so as to present wedge-like front to the foe.

Echinus, zool., sea-urchin.

Echo, Greek myth., nymph who loved Narcissus; pined away, all save her voice. Reflection of sound.

Echo, London Lib. eveng. paper; established 1868.

Eck, J. M. v., Germ. monk, * 13/11 1486 Eck, † 10/2 1543; prof. at Ingolstadt, opposed Luther.

Eckmühl, Eggmühl, Bavarian village on Laber; ⚔ 22/4 1809.

Eclaircissement, French = explanation.

Eclectics, Greek ☺s who professed to select the good out of all systems.

Eclipse, ☽, an obscuration of the light of the sun or moon by intervention of another planet.

Ecliptic, ☽, the path of the earth round the sun; the apparent path of the sun during the year: passes thro' or near the 12 signs of the zodiac; cuts equator at 2 pnts., called equinoxes, when length of day = that of night. These points are not stationary with respect to the fixed stars, but slowly move backwards. This motion is called Precession of the Equinoxes.

Ecuador, Sp. = Equator: repub. of western S. Amer.; 248,372 s.m., 1,080,000 inh.; ▲ Andes; ▲s, Chimborazo 20,700 feet, Cotopaxi 19,490 feet, Antisana 18,847 feet. Divid. into 3 depts. & 13 provs. Rys. 160 m. Cap. ⊙, Quito; chief port, Guayaquil. Army 5,000 men, navy 3 ships. Revenue ca. £370,000,

expenditure *ca.* £480,000, debt *ca.* £3,650,000. ♛: pt. of Emp. of Incas, part of Sp. viceroyalty of Peru, revolted from Sp. 1822, united to New Granada; independent 31.

Eczema, ☤, skin disease with formation of crusts.

Eddas, collections of old Iceland. literature containing Scand. myth. 1] Edda of Sæmund the Wise, 13th cent., contns. story of creation & ♛ of Odin, Thor, Balder, Freya, &c., in verse. 2] Edda of Snorri Sturlesson, *ca.* 1230, commentary in prose on 1, with addit. ♛s. Both translatd. into Eng. by Thorpe 1866.

Eddystone, rocky ridge in Eng. Channel, 14 m. S.W. of Plymouth. Lightho. blt. 1700 by Winstanley, destroyed 1703; new lightho. blt. 1706–9 by Rudyerd, burnt 1755; new lightho. blt. 1759 by Smeaton, removed; new lightho. blt. 1879–82 by Sir J. N. Douglass: lights radius of 17 m.; carries a 2-ton alarm-bell.

Edelweiss, ☙, *gnaphalium.*

Eden, 1] Robert, †, * 1804; bp. of Moray & Ross 51, Primus of Scotl. 62, † 26/8 86. 2] Richard, travel ✓, 16th century.

Edentata, zoology, the almost toothless ord. of mammals, includg. sloths, armadilloes, ant-eaters, &c.

Edessa, now Orfa, ancient ⊙ of Mesopotamia; seat of indep. kingd. 137 B.C.–216 A.D., seat of Christian princ'p. 1097, taken by Turks 1637.

Edgar, Anglo-Saxon k. of Eng., * 942, suc. 958, † 975; s. of Edm. I.

Edgar Atheling, grd.-s. of Edmund Ironside, & heir to British crown; pensioned by William I.

Edgehill, elevated distr. of Warwicksh.; ⚔ 23/10 1642, Chas. I. defd.

Edgeworth, 1] Maria, English essay & novel ✓, * 1/1 1767 Hare Hatch, † 21/5 1849 Edgeworthstown, Ireland. "Castle Rackrent," "Tales of Fashionable Life," &c 2] Her father, Richd. Lovell, ☸ & ♗ ✓, * 1744 Bath, † 1817.

Edible Birds'-nests, nests of ornith. gen. *collocalia,* of family of swifts, in Madagasc., S. Asia, &c.; formed of secreted mucus.

Edict of Nantes, 13/4 1598, concession by Henry IV. of Fr. of freedom of religion to Huguenots; revoked by Louis XIV. 22/10 1685.

Ediles, anct. Rom. offcrs. of the public works.

Edinburgh, or Midlothian, co. of Scotland; 362 s.m., 390,000 inh.; returns 1 M.P.

Edinburgh, cap. ⊙ Scotland, & chief ⊙ of E. co., 2 m. from Firth of Forth: old & new towns; castle 383 ft. above sea, ☗, Coll. of Just., Palace of Holyrood, Arthur's Seat 822 ft. above sea, univ., bishopric; 246,000 inh.; rets. 4 M.P.s: Central, S., E., W.

Edinburgh, Alfred A. Willm. Ern. A., dk. of, 2nd son of Q. Victoria, * 6/8 1844; entered navy 58, m. 23/1 74 Grand Duch. Marie of Russ. (* 17/10 53), vice-adm. 30/11 82, commander Mediterran. Fleet 86, master of Trinity House, heir-presumptive to Duchy of Saxe-Coburg.

Edinburgh Review, quarterly review founded 25/10 1802 by Fr. Jeffrey & others.

Edinburgh University, fnded. 1582, present bldng. begun 1789; w. St. Andrew's Univ. rets. 1 M.P.

Edison, Thos. Alva, ♀, electr., & ☸, * 10/2 1847 Milan, Ohio, U.S. Amer.; invented phonograph, microphone, incand. electric lamp, &c.

Edith, 1] name of 3 Brit. saints. 2] Wife of Edward the Conf., 1044.

Editio princeps, Latin = first edition.

Edmund, or Eadmund, 1] last k. of E. Anglia; suc. 855, deftd. & killed by Danes 870, burd. at Bury St. Edmunds. 2] "the Magnificent," or "the Elder," k. of Mercians & W. Saxons, * 923; suc. 941, assassd. 946 Pucklechurch. 3] Ironside, last king of W. Saxons; suc. 1016, divid. his land with Canute, but was assassinated 1017 Oxford.

Edmund de Abingdon, St.

(Edmd. Rich.), archbishop of Cant. 1232, † 40 Soissy.

Edred, king of Mercians & West Saxons; succeeded 946, † 55.

Edward. Of *Eng. kings* of this name, 1] "the Elder," k. of Ang.-Saxons, suc. 901, † 25 Faringdon. 2] "the Martyr," k. of Ang.-Saxs., suc. 975, assassd. 79 Corfe Castle. 3] "the Confessor," king of Anglo-Saxs., * *ca.* 1004 Islip, suc. 1042, reblt. Westminster Abbey, † 1066, canonised 1170. 4] I., k. of Eng., * 16/6 1239 Westminster, s. of Hy. III., suc. 20/11 1272, conqrd. Wales, deposed Baliol 96, captrd. Wallace 1305, deftd. Bruce 19/7 1306 Methven, defeated by Bruce 07, † 7/7 07 Burgh-on-the-Sands. 5] II., his s., * 25/4 1284 Carnarvon, suc. 1307, deftd. at ⚔ Bannockburn 24/6 1314, deposed & † 27/9 27. 6] His son, III., * 13/11 1312 Windsor, suc. 27, assumed title of King of Fr. 37, vict. at ⚓ ⚔ Sluys 24/6 1340, ⚔ Crecy 26/8 46, took Calais 47, built Windsor Castle, † 21/6 77. 7] IV., * 29/4 1441, son of Richd., duke of York, suc. 61, defeated by earl of Warwick 69, fled, returned, vict. at ⚔s Barnet & Tewkesbury, invad. France 75, origtd. syst. of Benevolences, † 9/4 83. 8] His son, V., * 4/11 1470 Westminster, suc. 83, imprisoned by Richard, murd in the Tower 83, reigned 2 months. 9] VI., son of Henry VIII., * 12/10 1537 Hampton Court, suc. 47, reformed Liturgy, fnded. schools, † 4/7 53 Greenwich.

Edward the Black Prince, son of Edward III., * 15/6 1330 Woodstock, † 8/6 76; vict. at ⚔s Crecy & Poitiers.

Edwards, 1] Jonathan, Amer. Calvin. † ✓, * 5/10 1703 E. Windsor, Conn., † 28/3 58. 2] Amelia B., novel and travel ✓, * 1831: "Barbara's History" 64, "Untrodden Peaks" 73, &c. 3] Edward, numis. & misc. ✓, * 1812 London. 4] Henri Milne, Belgian naturalist, * 23/10 1800 Bruges; prof. of zool. at Paris, 2. ✓. 5] Henry Sutherland, misc. ✓, * 1828; "Russians at Home" 58; spec. corresp. of the *Times* 62, 63, 67, 70–71. 6] Edward, ⚭, * 1738 London, † 1806. ✓. 7] George, naturalist, * 1698 West Ham, † 1773. 8] John, Eng. Calvin. †, * 1637, † 1716. ✓. 9] Richard, ♪ & composer & ✆ ✓, * 1523 Somersetshire, † 66. 10] Thos., Eng. Presbyt. †, * *ca.* 1582, † 1647 Holland. ✓. 11] Thomas, English crit. ✓, * 1699 London, † 1757. 12] William, △, * 1719 Eglwysilan, † 89.

Edwin, k. of Northumbria, son of Ælla, k. of Deira; suc. 588, killd. at ⚔ Hatfield Chase 634.

Edwy, "the Fair," Ang.-Sax. k. of Eng., son of Edmund I.; suc. to crown of Wessex 955, m. Elgiva, persecuted by Dunstan, † 58.

Eel, ichth., one of any of the 3 British specs. of *anguilla.* Sharp-nosed E., *A. acutirostris;* broad-nosed E., *A. latirostris;* snig E., *A. medirostris:* found in streams & lakes. Eels in paste, vinegar, &c., are nematoid entozoa. *Vide* Conger: Electric Eel.

Eel-fare, passage of young eels up-stream.

Eel-pout, ichth., 1] burbot, *lota vulgaris;* 2] viviparous blenny, *zoarces viviparus.*

Effendi, Turk. = master: title of respect.

Eft, zool., any lizard-like anim., espec. the common smooth newts, *lissotriton punctatus* & *cristatus.*

Egalité, Fr. = equality: nickname of Philippe, dk. of Orleans, who joined French revolution.

Egbert, 1] son of Ealhmund; k. of W. Saxons 802, conquered all Eng. & Wales 828, † 836. 2] †, * 678, archbp. of York 731, † 67.

Egeria, Rom. myth., nymph of Latium, patron. of Numa Pompilius.

Egerton, 1] Francis, 1st earl of Ellesmere, statesman & ✓, * 1800 London, M.P. 22, Sec. for War 30, † 57; transltd. "Faust." 2] Thos., Lord Ellesmere, * 1540 Cheshire,

Sol.-Genl. 81, Master of Rolls 94, Priv. Seal 96, Lord Chanc. 96, † 1617. 3] John, †, * 1721, † 87; bp. of Bangor, Lichfield, Durham.

Egg, Aug. Leop., Eng. ◉, * 1816 London, R.A. 61, † 26/8 63.

Egg, in biol., animal germ produced within ovary; consists of protoplasm contng. germnl. vesicle or nucleus, & germinal spot or nucleolus: naked, or covered with membrane or membranes & shell.

Egg-plant, ✿, 1] the brinjal, *solanum esculentum.* 2] *Solanum ovigerum.*

Eggs-&-Bacon, ✿, *linaria vulgaris.*

Egglesfield, Robert de, fndr. of Queen's College, Oxford; † 1349.

Egidius, St., St. Giles, patr. of cripples & of Edinburgh; * 645 Athens, † 725; festival 1/9.

Eginhard, *v.* Einhard.

Eglantine, ✿, 1] *rosa eglanteria; R. rubiginosa.* 2] Woodbine, *lonicera periclymenum.*

Eglinton & Winton, Arch. W. Montgomerie, earl of, * 1812 Palermo, Viceroy of Irlnd. 52, 58, † 61.

Egmond, or Egmont, Lamoral, Count, * 18/11 1522; servd. Chas. V., governor of Flanders for Phil. II., executed by Alva 5/6 68 Brussels.

Egret, ornith., any species of white heron; esp. the paddy-bird of India & the little Egret, *ardea garzetta,* of Britain.

Egypt, or Masr, Turkish vassal state in N.E. Afr., chfly. in vall. of Nile, between Wady Halfa & the Mediterr., but including Sinaitic Penins. & Land of Midian in Arab.; 495,000 s.m., 6,810,000 inh.; chfly. desert, but fertile near ⚓. 3 parts, Upper, Middle, & Lower E.; cap. ◉, Cairo. ◉*s:* Alexandria, Damietta, Rosetta, Assiout, Port Said, Suez, Assouan. *Pop.:* Fellahs, Kopts, Bedouins, Turks, Franks. *Tributary states,* until 1884: Nubia, Darfur, Soudan, Equatorial Provs. ♛: King Menes 5702 B.C. founded Memphis. Amenemha I. 2300 B.C., Amenemha III. 2200 B.C.; expulsion of Hyksos or Shepherd Kings 1670 B.C.; 18th & 19th dynasts. most magnif.; cap. ◉, Thebes. Conqrd. by Pers.; by Alex. the Great 332 B.C.; Rom. prov. 31 B.C.: prov. of Emp. of Khalifs 638 A.D.; conqd. by Turk. 1518; Turk. govr. 1806 Mehemet Ali, conqrd. Hedjaz, Nubia, Sennaar, Kordofan, † 49; Ismail, viceroy 63, assumed title of Khedive 67; Tewfik, Khed. 79; insurrectn. of Arabi 82, of the Mahdi 82; Brit. occupation, war with Mahdi; Nubia, &c., evacuated 85. Govt. by hereditary Khedive; pays ann. trib. of £720,000 to Turk.: Khedive, Mahomet Tewfik, * 25/4 1853. Revenue *ca.* £8,900,000, expend. *ca.* £8,900,000, total debt *ca.* £94,000,000; army *ca.* 6,000 men; Rys. 1,275 m.; Teleg. 5,850 m.

Egyptian Rose, ✿, *scabiosa arvensis.*

Egyptian Thorn, ✿, *acacia vera.*

Egyptian Vulture, ornith., a small V., *neophron perenopterus* or Pharaoh's Hen.

Eider, ⚓ Holstein. E. Canal between Holtenau & Gulf of Kiel.

Eider Duck, ornith., *somateria mollissima,* or Cuthbert D., or Gt. Black & White Duck of N. seas.

Eimer, Germ. Imp. liq. meas. = 75 litres = ¼ ohm = *ca.* 66 galls. Pruss. E. = 68·7 litres. Bavar. E. = 64·4 litres. Württ. E. = 298·9 litres. Sax. E. = 67·4 litres. Austr. E. = 56·6 litres.

Einhard, or Eginhard, ♛ / & biographer of Charlemagne, * 770 Meingau, † 14/5 840 Seligenstadt.

Einsiedeln, Swiss ◉; Bened. Abby., fnded. 9th cent.; pilgrimage, especially on 14/9; 8,600 inh.

Eire, ⚖, circuit Justices in E.; Scotland, judges of assize.

Eisteddfod, Welsh = a session; annual gathering at which ♛ & / competitions are held.

Ekaterinoslav, govt. of Russ., on Sea of Azov; 26,147 s.m., 1,400,000 inh. Chf. ◉, E.; 26,000 inh.

Ekkehard, name of sev. monks

of St. Gall, espec. one who † 973, writer of the Waltarilied.

Elagabalus, *v.* Heliogabalus.

Élan, French = ardour, fire.

Eland, zool., the Cape elk, *oreas boselaphus*, or *O. canna;* largest antelope of South Africa.

Elasticity, property apart from gravity by which a body resumes its orig. form when the force wh. has altered that form is removed. Gases are perfectly elast.; the E. of solids is limited, & in liquids, clay, fats, &c., very small.

Elastic Tissue, anat., one of the two vars of connective tissue.

Elaterium, ℞, *ecbalium*. Dried juice of fruit used in ℞ as drastic hydragogue purgative.

Elba, anctly. Ilva or Æthalia, Ital. island betw. Ital & Cors.; 156 s.m., 23,000 inh.; chf. ⊙, Porto Ferrajo; resid. of Nap. I. 4/5/1814–26/2/15.

Elburz, Pers. ⛰, S. of Caspian; chief peak 17,796 feet.

Elchingen, village in Bavar., on Danube; ⚔ 14/10 1805.

Elden Hole, pit in the Peak, Derbyshire; said to be bottomless.

Elder, ℞, tree, esp. common E., *sambucus nigra*, & dwarf Elder or danewort, *S. ebulus:* berries used for wine, flowrs. for mnfg. perfume. Marsh Elder, *viburnum opulus*.

Elder-moth, *uroderyx sambucata*.

Eldon, John Scott, 1st earl of, Eng. ⚖, * 4/6 1751 Newcastle-o.-T.; M.P. 83, Sol.-Genl. 88, Att.-Genl. 93, Chf. Just. of C. Pleas & peer 99, Lord Chanc. 1801, created earl 21, † 13/1 38 London. Life by Twiss.

El Dorado, Sp. = The Golden; myth. country said in 16th cent. to have been disc. by Orellana in S. Amer.

Eleanor, Eleonora, 1] of Anjou, Q. of Sicily, † 1343. 2] of Arragon, Q. of Port., † 1445 Toledo. 3] of Arragon, Queen of Navarre, † 1479 Tudela. 4] of Austr., Q. of Port. & of Fr., * 1498 Louvain, m. 1519 Manoel, k. of Port.; m. 30 Francis I. of France; † 58 Talavera. 5] of Castile, Q. of Eng., dau. of Ferd. III., m. Edward I 1254, † 90. 6] of Guienne, Q. of Fr. & of Engld., * 1122 Belin, m. 37 Louis le Jeune, divd. 52, m. Henry II. of Eng., impris. 73–84, † 1204. 7] of Provence, Q. of Eng., m. Henry III. 1236, † 1291 Amesbury. 8] E. Tellez, w. of Ferd. I., k. of Port.; † 1405 Tordesillas.

Eleatics, school of Greek ⚖s fnded. at Elea, in Lucania, by Parmenides & Zeno, 5th century B.C.

Elecampane, ℞, *inula helenium;* root aromatic.

Electors, *Kurfürsten*, princes who had votes in the election of Emprs. of Germ.; by Gold. Bull, 1356, bps. of Mayence, Cologne, Treves, & ruling princes of Pfalz, Brandenburg, Saxony, Bohemia: to these were added rulers of Hanover 1692, Baden, Hesse, Wurttemberg 1803; title extinct 1806. The Grt. Elector, Frederick William of Brandenburg 1620–88.

Electra, Greek myth., sister of Iphigenia & wife of Pylades.

Electric Eel, ichth., *gymnotus electricus* of marshy waters of S. Amer.; discharges enough electricity to kill animals of consid. size.

Electricity, physical agent of unknown nature wh. manifests its presence by attractn. & repulsion, producing light, heat, ⚗ decompositn., &c.; its existence discovd. ca. 600 B.C. by Thales, who found that amber rubbed w. silk attracted light bodies. E. is either positive or negative. Similar E.s repel, dissimilar attract, one another. First produced by friction and frictional machs.; later by voltaic batteries & thermo-electric piles; usly. now by magneto & dynamo-electric machs.

Electric Light, emitted by white-hot points of two carbons used as electrodes of powerful battery, or by incandescent wire or filament under passage of electric current in a vacuum; first

discovd by Davy 1809, improved by Siemens, Duboscq, Brush, Edison, Swan, Crompton, &c

Electric Telegraph, apparatus by wh signals may be transmitted to a distance by voltaic currents propagated on metallic wires, fnded on experimts of Gray 1729, Nollet, Watson 1745 Lesage 1774, Lamond 1787, Reusser 1794, Cavallo 1795, Betancourt 1796, Sœmmering 1811, Gauss & Weber 1834 &c Telegraphs constructed by Wheatstone & independently by Steinheil 1837, improved by Morse, Cooke, Woolaston, &c

Electrode, either pole of a voltaic circle

Electrolysis, decomposition of ℞ comps by electricity

Electro-magnetism, the development of magnetism by voltaic electricity, origtd by Oersted, Ampere, Faraday, Barlow, Arago, &c

Electrometer, instrument to measure amount of an electrical force, instrumts by Henley, Coulomb, Thomson, Varley, Lane, &c

Electrophorus, instrumnt invented 1776 by Volta for generating electricity by induction

Electroplating, method of covering a metal w metal by exposure in a bath of a metallic salt that is decomposed by electrolytic action, discovrd by Cruickshank 1800, practcly used by Spencer 38

Electroscope, instrument for detecting electrical excitation

Electrotyping, process of copying by taking a mould in a soft substance, which is afterwards electroplated with copper or other metal, used for reproducg medals, pages of type, wood blocks, &c

Elegiac Verse, V of mournful or plaintive nature in Eng prosody consists of 10-syllb lines rhyming altern, in Lat prosody, of altern hexams & pentams

Elegit, ℞, a writ of executn to the sheriff after judgment, directing him to give possession of debtor's lands to the judgment creditor, to be enjoyed till debt & damages are paid

Elements, anciently fire, air, earth, water In ℞, a substance which has not yet been split up into anything simpler, metallic or non metallic *Metallic E s* (with atomic weights) aluminium 27 4, antimony (stibium) 122 0 arsenic 75 0, barium 137 0, beryllium (glucinium) 9 4, bismuth 210 0, cadmium 112 0 cæsium 133 0 calcium 40 0, cerium 138 0 chromium 52 0, cobalt 59 0, copper (cuprum) 63 4, davyum decipium 159 0 didymium 145 0 erbium 170 0 gallium 68 0, gold (aurum) 196 6 holmium 162 0, indium 113 4, iridium 198 0, iron (ferrum) 56 0, lanthanum 140 0, lead (plumbum) 207 0 lithium 7 0, magnesium 24 0, manganese 55 0, mercury (hydrargyrum) 200 0, molybdenum 95 8, nickel 59 0, niobium 94 0, osmium 199 0 palladium 106 6, philippium 142 5 platinum 197 0, potassium (kalium) 39 1, rhodium 104 4, rubidium 85 5, ruthenium 104 4, samarium, scandium 44 0, silver (argentum) 108 0, sodium (natrium) 23 0, strontium 87 5, tantalum 182 0, tellurium 128 0, terbium 147 0, thallium 204 0, thorium 231 0, thulium 169 5, tin (stannum) 118 0, titanium 50 0, tungsten (wolfram) 184 0, uranium 120 0, vanadium 51 3, ytterbium 174 0, yttrium 89 5 zinc 65 0, zirconium 89 6 *Non metallic E s* boron 11 0, bromine 80 0 carbon 12 0, chlorine 35 5, fluorine 19 0, hydrogen 1 0, iodine 127 0, nitrogen 14 0, oxygen 16 0 phosphorus 31 0, selenium 79 0, silicon 28 0, sulphur 16 0

Elephant, zool, 1] *elephas indicus*, 10 ft high, oblong head, concave forehead, moderate ears 2] *E africanus*, smaller, round head, convex forehead, enormous ears, hind feet with only 3 hoofs

Elephant's Foot, ℞, *testudinaria elephantipes*, spec of yam

Elephanta, or Gharapuri, Ind island nr. Bombay, rock temples

Elephantiasis, ✠, disease accompanied by great swelling of extremities; incurable, but not dangerous. Another spec., with dark tubercles, is finally fatal.

Elephantine, island in Nile, nr. Assouan; temple, nilometer: ruind.

Eleusis, ancient ⊙, ⊙ Attica; mysteries in honour of Demeter & Persephone: now Levsina.

Eleutherius, St., Pope 177–92.

Elevated Railway, the local Ry. of New York; raised on iron pillars above streets.

Elevation, ⚠, side-view drawn without reference to perspective. In ✳, angular height of a celestial body above horizon: altitude.

Elevator, in U.S.A., a lift.

Elf (*plur.* Elves), small spirits of the N. mytha.: the fair favour men, the dark are hostile.

Elf-dock, ✠, elecampane (*q.v.*).

Elgin, or Moray, marit. co. of N.E. Scot.; 531 s.m., 44,000 inh.; unites w. Nairn to ret. 1 M.P. Chf. ⊙, E., on Lossie; ruined cathed., fnded. 1224; 7,400 inh.; unites w. Banff, &c., to return 1 M.P.

Elgin and Kincardine, 1] James Bruce, 8th earl of, British statesm., * 20/7 1811; suc. to Scot. peerage 41, Govr. of Jamaica 42, Gov.-Genl. of Canada 46, created English peer 49, plenipo. to China 56–58 & 60, & to Japan, Gover.-Genl. of India 61, † 20/11 63. Life by Walrond. 2] His father, Thos., 7th earl, * 1766; ambass. to Brussels, Berlin, Constantinople; collected E. marbles, † 1841.

Elgin Marbles, collec. of anct. sculpts. made by 7th earl of Elgin & sent to England 1812, bought by Govt. for £36,000; chfly. works of Phidias *ca.* 440 B.C. from Parthenon.

Elia, pseud. of Charles Lamb.

Elias, Elijah, Hebrew prophet. ✓, 875–51 B.C.

Elias, St., ▲ between Alaska & British N. America, 12,670 ft.

Elie de Beaumont, J. B. A. L. L., Fr. ✠, * 25/9 1798; Canon, † 22/9 1874.

Eligius Noviomensis, Sain Eloy, * 588; bp. of Noyon, † 659.

Elijah, *v.* Elias.

Eliot, George, *v.* Evans, Marian.

Eliot, 1] Sir John, Eng. patr. & polit., * 1592 Devon.; imprisnd. in the Tower, † 1632. 2] John, Purit. †, apostle of North Amer. Inds., * 1604 Nasing, Eng., † 1690 Roxbury, Mass. ✓. 3] Saml., ♛ ✓, * 22/12 1821 Boston, U.S.A.

Elisha, Heb. proph., 851–15 B.C.

Elissa, Dido (*q.v.*).

Élite, Fr.=best, choicest, prime.

Elixir, the philosopher's stone; a refined extract; a cordial. In ✠, a compound tincture of substncs. held in solution by alcohol.

Elizabeth, 1] Q. of Eng., dau. of Henry VIII. & Anne Boleyn, * 7/9 1533 Greenwich; suc. her sister Mary 17/11 58, † 24/3 1603 Richmnd. 2] St., d. of Andrew II. of Hung., * 1207 Presburg; m. 21 Louis of Thuringia, † 19/11 31, canonisd. 35. 3] Emp. of Russ., d. of Peter the Great & Catherine I., * 18/12 1709; seized crown 41, m. in secret to Ct. Rasumovsky, † 5/1 62. 4] E. Charlotte, dau. of the Elector Karl L. of Pfalz, * 27/5 1652 Heidelberg; m. 71 Dk. Phil. d'Orléans, reg. of Sp., † 8/12 1722. 5] E. Woodville, Q. of Eng., dau. of R. Woodville; m. Edward IV. 1464, † 88. 6] Q. of Eng., dau. of Edward IV., * 1466; m. Henry VII. 18/1 1486, thus uniting York & Lancaster; † 1503. 7] E. Isabeau of Bavaria, Q. of Fr., * 1371; m. Chas. II. of Fr. 85, † 1435. 8], or Isabella, of Austr., Q. of Fr., * 1554 Vienna; m. Chas. IX. 70, † 92. 9] E. of Fr., sister of Louis XVI., * 1764 Versailles, executed 94 Paris. 10] E. of Arragon, St., Q. of Port., * 1271, m. Denis, k. of Port. 82; † 1336 Estremos. 11] Emp. of Russ., dau. of Chas. F., Margrave of Baden, * 1779; m. Alexander, † 1826 Beleff. 12] E. Stuart, Q. of Bohemia, dau. of James I. of England, * 1596; m. Fredk. V., Electr. Palat. 1613, † 62 London. 13] Empr. of Austr., d.

of Max. J., Dk. in Bavar.; m. 24/4 1854 Emp. Franz Josef I. **14]** Q. of Roumania, *née* princess of Wied, * 29/12 1843; m. Charles I. 15/11 69.

Eljen, Hung. = Long live! *Vive!*

Elk, or Moose, zool., *alces palmatus* of Eur., Asia, & Amer. Irish E., palæont., *megaceros hibernicus.*

Elk-nut, ♃, a N. American oil-nut, *hamiltonia oleifera.*

Ell, lin. measure; Eng. 45 in., Scot. 37·2 in., Flemish 27 in., Fr. 54 in., old Pruss. 26½ in., Bavarian 33 in., Sax. 22½ in., Switz. 23·6 in., Denmk. 25 in., Swed. 23 in., Norwegian 25 in., Austrian 30¾ in.

Ella, or Ælle, 1st k. of Sussex, * *ca.* 430; deftd. Britons 477, † 517.

Ellandune, ⚔ 823, Allington, near Amesbury, Mercians defeated by Egbert.

Ellenborough, 1] Edward Law, 1st Baron, Eng. ⚖, * 16/11 1750 Grt. Salkeld; Chf. Just. of Queen's Bench 1802, † 13/12 18. **2]** His son William, 1st earl of, statesman, * 8/9 1790; Govr.-General of India 1841–43, † 22/12 71.

Ellesmere, *v.* Egerton.

Ellice Islands, 1] group in S. Pacific, N. of Samoa; chief isles, Funafuti, Nui. **2]** Group at mth. of Mackenzie R., Brit. N. Amer.

Ellichpur, dist. of Berar, Brit. Ind.; 2,623 s.m., 280,000 inh. Chf. ⊙, E.

Ellicott, Chas. J., Eng. †, * 1819; bp. of Gloucester & Bristol 63. /.

Ellilik, Turk. coin = 20 piastres = *ca.* 3s. 6d.

Elliot, 1] Ebenezer ("Corn Law Rhymer,") philant., polit., & poet. /, * 17/3 1781 Masborough, † 1/12 1849 Great Houghton; statue in Sheffield. **2]** Geo. Aug., 1st Baron Heathfield, English genl., * 1718; govr. of Gibraltar 75, there besieged in vain 79–83 by 30,000 Fr. & Span., created peer 87, † 6/7 90 Aix-la-Chapelle. **3]** Murray Kynnymond G., 1st earl of Minto, statesm., * 1751 Edinburgh; M.P. 74, Viceroy of Corsica 94, envoy at Vienna 99–1801, Govr.-General of India 07–14, peer 13, † 14 Stevenage. **4]** Sir Hy. Geo., diplom., son of 2nd earl of Minto, * 1817; Minist. to Denmark 58, envoy to Italy 63, amb. to Turk. 67–77, to Austr. 77–84.

Elliott, 1] or Eliott, Dr. Chas., Wesleyan †, * 1792 Irelnd.; presdt. of Univ. of Iowa, † 6/1 1869. /. **2]** Ebenezer, *v.* Elliot. **3]** Charlotte, hymn /. "Just as I am." **4]** Chas. Wyllys, Amer. /, philanthropist, & horticulturist, * 27/5 1817, Guildford, Conn., † 20/8 83.

Ellipse, oval; geom. curve traced by point wh. moves in such a manner that the sum of its distances from two fixed points always remains the same. These points are foci. In ✳, orbits of planets are ellipses, *v.* GEOMETRY (*plate*).

Ellipsis, 1] ellipse. **2]** Omission.

Ellis, 1] Clement, Eng. / & †, * 1630 Cumberland, † 1700. **2]** Geo., crit. & Ψ /, * 1753, † 1815. **3]** Geo. James Welbore Agar, Baron Dover, w & misc. /, * 1797; M.P. 1818, suggested formation of Nat. Gallery, † 1833. **4]** Henry, Eng. polar travlr., * 1721; govr. of Georgia, † 1806. /. **5]** John, zool. & ♃ /, * *ca.* 1710, † 76 London. **6]** Sir Henry, Ψ & crit. /, * 1777 London; princip. libr. of Brit. Mus. 1827, † 15/1 69. **7]** Rev. Wm., † & mission., * *ca.* 1800; to Polynesia, † 9/6 72. /. **8]** His wife, *née* Sarah Stickney, /, * *ca.* 1812, m. 37. "Women of England."

9] Alex. John (formerly Sharpe), math., philol., & ♃ /, * 14/6 1814 Hoxton; spelling reformr., F.R.S. 64. **10]** George Edward, Amer. Unit. † & /, * 8/8 1814 Boston; prof. of doct. † at Cambridge, Mass., 57–64

Elliston, Robt. Willm., com. & trag. ☽, * 1774 Bloomsbury; lessee of Drury Lane 1819, † 31 Lond. /.

Ellora, anct. Ind. ⊙ in Haidarabad; rock caves of 8th century.

Ellwood, Thos., /, & friend of Milton, * 1639 Crowell; Quaker, † 1713. "Memoirs."

Ellys, 1] Anthony, Eng. †, • 1693; bp. of St. David's, † 1761. /. 2] Sir Richard, patron of letters, † 1742.

Elm, ♅, the gen. *ulmus*, espec. 1] wych E., *U. montana;* 2] common E., *U. campestris.*

Elmes, 1] Harvey Lonsdale, △, • 1815; built St. George's Hall, Liverpool, † 47 Jamaica. 2] Jas., △, pupil of George Gibson; • 1782 London, † *ca.* 1861. /.

Elmina, Brit. ⊙ & ⊕ Gold Coast, W. Afr.; formerly capital of Dutch settlements, ceded 1872; 12,000 inh.

Elmo, St., patron of sailors. St. E.'s fire, electric light or comazant seen on ends of spars of ships in rough weather. St. E. was Erasmus, bp. of Formiæ, † 303.

Elmore, Alfred, Brit. ◎, • 1815 Clonakilty; R.A. 57, † 24/1 81.

Elmsley, Peter, † & class. editor, • 1773; Camden prof. of ♛ at Oxford, † 1825 Oxford. /.

El Obeid, capital ⊙ Kordofan; headquarters of Mahdi 1883–4.

Elohim, one of names of God in Hebr. Scriptures; also applied to false gods or to men: less sacred than Jehovah.

Elongation, ☾, angle of appar. distnce, betw. a planet & the sun.

Eloy, St., r. Eligius Noviomensis.

Elphinstone, 1] or Elphinston, Wilhm., Scot. ⚒ & polit., • 1431; Chanc. of Scot., bp. of Aberdeen, founded King's Coll., Aberdeen, † 1514. 2] James, /, • 1721 Edinburgh; edited *Rambler*, † 1809. 3] John, ⚓ offr., • *ca.* 1730 Scotland; joined Russ. serv. *ca.* 68, † 85 London. 4] John, 13th Baron, statesman & ✕ officer, • 1807; govr. of Madras 37–42, govr. of Bombay 53, served in Mutiny, † 60 London. 5] Hon. Mountstuart, 4th son of 11th Baron E., statesm., • 1779; envoy to Cabul 1808, at Poona 16, govr. of Bombay 20–27, framed E. Code of Laws, † 59 Surrey. / "History of India," 41. 6] Arthur, r. Balmerino.

Elphinstone College, Bombay, founded by native munificence in memory of Hon. M. Elphinstone.

Elrington, 1] Thos., †, • 1760; bp. of Limerick, of Ferns, † 1835. /. 2] His s., Chas. Richd., †, • *ca.* 1785, † 1850. / "Life of Usher."

Elsass-Lothringen, Alsace-Lorraine, imp. territory of German Empire, incldg. Alsace & Lorraine (*q.v.*); govd. by statthalter, conqrd. 1870 from Fr.; 5,602 s.m., 1,580,000 inh. Had been conqrd. by Fr. betw. 1648–97. Cap. ⊙, Strasburg. Rev. *ca.* £1,950,000, debt *ca.* £1,440,000.

Elsinore, ⊕ ⚓ ⊙ Denmark, on E. coast of Zealand; 9,000 inh.

Elssler, 1] Theresa, dancer, • 1808 Vienna; m. morganatically, 25/4 51 Prce. Adalbert of Pruss., † 19/11 78. 2] Her sister, Fanny, dancer, • 1811 Vienna, retired 51.

Elstob, 1] Wm., Ang.-Sax. schol., • 1673, † 1714. /. 2] His sister, Elizabeth, Ang.-Sax. schol., • 1683, † 1756.

Elsynge, Henry, ✍ /, • 1598, † 1654; Clerk to House of Commons.

Elul, 6th mo. of Jew. eccles., & 12th of civil, year.

Elvey, Sir George Job, ♅, • 27/3 1816 Canterbury; organist to the Queen 37, kntd. 71.

Elwin, Rev. Whitwell, /, • 26/2 1816; edited *Quarterly Review* 53–60.

Ely, ⊙ Cambridgesh., on Ouse; cathed. fnded. 10th cent.; 8,250 inh. Site of monastery of 7th century.

Ely, Isle of, distr. of Cambridgeshire, formg. N. half of co.; origlly. fen, but now drained; 65,000 inh.

Elysium, class. myth., residce. of shades of the blessed.

Elytrum, entom., the horny wing-cases of beetles.

Elzevir, name of fam. of Dutch typogs. who publd. choice editions of the classics; business fnded. at Leyden 1583 by Louis E., • 1540 Louvain, † 1617. He was suc. by grandson, Bonaventura, • 1583, † 1652; he, in 1638, by neph., Louis, • 1604, who founded press at

Amsterdam, & by Daniel, * 1626, † 80. The last, Abraham, † 1712.

Em, the letter M in pica type; unit of meas. in typog. The width of this col. is 8¼ ems. A half-M is an en, & all the letters are reckng. as ens of their own type, and settg. up is paid for accordingly.

Emanuel, 1] I. ("the Grt.") k. of Port., * 3/5 1469; suc. 95, favrd. discovery, † 13/12 1521. 2] E. Filiberto, dk. of Savoy, * 1528 Chambery, † 1580; vict. at ⚔ St. Quentin.

Embalming, process of preserving dead bodies; very anct.; practised in Egypt for preparation of mummies: spices, drugs, asphaltum most commonly used, & bodies were swathed in cloth. Chloride of zinc, corrosive sublimate, carbolic acid, &c., are now employed.

Embargo, arrest of ship and freight.

Ember Days, three-day fasts held 4 times a year by W. Christn. Ch. to consecrate the 4 seasons. Appointed by Counc. of Placentia 1095 for Wed., Fri., & Sat. after Quadragesima, after Whit Sunday, after Holyrood Day (14/9), & after St. Lucia's Day (13/12).

Ember Goose, ornith., Gt. Nthn. Diver or Loon, *colymbus glacialis*.

Emblements, ⚖, produce of lands sown or planted by a tenant, to whom they belong, though his lease terminate before harvest.

Embolism, 1] intercalation of days, months, or years. 2] ✠, venous inflammation w. formation of clots, pus, & abscess.

Embonpoint, Fr. = stoutness.

Embouchure, Fr. = mouth.

Embrasure, ⚔, opening in wall or parapet for firing gun through.

Embryology, science of structure & growth of organisms during developmt.; esp. of ovum in anims., & of ovule in plants.

Emerald, 1] ◆, bright green var. of beryl contng. chromium; Peru, &c. 2] Typog., type between nonpareil & minion: thus, M.

Emerald Green, ⚗, Schweinfurt-green, a cupric arsenite & acetate; poison.

Emerald Moth, Large, entom., *hipparchus papilionarius*; Britain.

Emeritus, Lat. = having served one's time; retired.

Emerods, hemorrhoids; piles.

Emerson, 1] Ralph Waldo, Amer. poet., ♐, & misc. ✓, * 25/5 1803 Boston, † 27/4 82 Concord, Mass. "Essays" 41–71, "Representative Men" 50, "English Traits" 56. 2] Wm., Eng. math., * 1701 Harworth, † 82. ✓.

Emery, ◆, var. of corundum; black, granular; usd. for polishing: fnd. in Grk. Archip., Cmbrlnd., &c.

Emeu, *v.* Emu.

Émeute, Fr. = outbreak, riot.

Emigrant, one who leaves his country to settle in another; esp. of those who fled from Fr. during the 1st revolution, called *émigrés*.

Emilia, or Emilian Provinces, Ital., incldg. N. Romagna, Parma, Modena; from old Rom. *Via Æmilia*, made 187 B.C., wh. traverses them.

Emin Pasha, *v.* Schnitzer.

Eminence, His, title of Cardinal since 1630.

Emir, Arab. = lord, chief; *emir-ul-bahr*, lord of the sea, admiral. In N. Afr., title of indep. chiefs, & of male descndts. of Fatima, d. of Mahomet. E.-al-Mumenin, Prince of the Believers.

Emly, William Monsell, first Baron, * 1812; Presdt. of Board of Health 57, Vice-P. of Bd. of Trade 66, Und. Sec. for Cols. 68–70, Post-M.-Genl. 70–73, peer 74.

Emlyn, Thos., Eng. Arian †, * 1663; imprisoned, † 1743. ✓.

Emmanuele, *v.* Emanuel.

Emmet. Three brothers of this name: 1] Robert, Irish orator & patriot, * 1778 Dublin; rebelled, executed 20/9 1803 Dublin. 2] Christopher Temple, Irish ⚖ & orat., * 1761 Cork, † 88; poet. ✓. 3] Thos. Adis, Irish ⚖ & patr., * 1764 Cork; imprisoned 98–1802, to America, † 27 New York.

Empedocles, Agrigentine ♃, lived *ca.* 500 B.C.

Emperor, entom., Purple E., an Eng. butterfly, *apatura iris.* E. moth, *saturnia pavonia minor.*

Empirics, ancient school of ⚕s, founded 3rd cent. B.C. by Serapion of Alexandria, wh. despised all save actual experience as qualification for ⚕s; opposed to Dogmatics.

Emplacement, ⚔, epaulement to cover field-guns.

Empson, Sir Richd., finan. offr. of Henry VII.; executed 1510.

Empyrean, highest of the five spheres in Ptolemaic systm.; abode of Deity; region of elemental fire.

Ems, Prussian ⊙ on Lahn; hot alkali springs; 7,000 inh. ⚒.

Emu, ornith., the Australian cassowary, *dromaius Novæ Hollandiæ,* called parembang.

Emu Wren, ornith., *stipiturus malachurus* of Australia.

Emys, zool., terrapin or mud tortoise, a gen. of Amer. Chelonians.

Enamel, glass w. addtn. of var. metallic oxides, used for decorating metal work, inlaying, &c. Oxide of tin gives white; of lead or antimony, yellow; of iron, red; of copper, green; of cobalt, blue; of manganese, violet, &c.

En avant, Fr. = forward.

En bloc, Fr. = in block; in the lump.

Encaustic, burnt in; especially painted in with burnt wax, as in ancient Greece. Art invented 33 B.C. by Gausias; revived 1753 by Caylus.

Enceinte, Fr. = girdled; 1] inner wall of a ⚙; 2] with child.

Encina, Juan del, creatr. of the Span. ♘, * 1469 Salamanca, † there 1534. *Cancionero.*

Encke, 1] J. Franz, ☄, * 23/9 1791, † 26/8 1865 Spandau; director of Berlin Observ.; ✓; discovered E.'s comet. 2] Erdmann, ♘, * 26/1 1843 Berlin; statue of Queen Louise.

Encore, Fr. = again; a repetitn. of a song, &c.

Encrinite, palæont., a fossil crinoidean of many varieties.

Encyclical, circular; especially of the letters of the Popes, addressed to all churches alike.

Encyclopædists, Diderot, D'Alembert, & others, who produced the Fr. Encyclopædia of 1751–72

Endemic, ⚕, permanently belonging to special localities.

Endive, ☘, a chicory, *cichorium endivia* of N. China, &c., introd. to Eng. *ca.* 1540; leaves used as salad.

Endocarp, ☘, the inur. shell of a fruit, as on the stone in a cherry.

Endogens, or Monocotyledons, ☘, a sub-kingdm. of plants which develop the new woody matter in their stems first inwards & then outwards as it descends; embyro has one cotyledon: includs. palms, grass, lilies, &c.

Endosmosis, hydraul. & pneum., a current which is formed between two liquids or gases separated by a porous diaphragm, & which ultimately brings an equal mixture on each side. E. is the inward, exosmosis is the outward, current.

Endymion, Grk. myth., youth loved by Selene or Artemis (Diana), who kissed him in his sleep.

Energy, in nat. ♃, the power of doing work, or of overcmng. resistance: kinetic or actual, as of falling weight or moving body; or potential, as of body raised & ready to fall. Motion, heat, electricity, & chem. attraction are all forms of E., & are interconvertible, there being a constant quantity of E. in the universe. *Vide* Tait's "Recent Researches in Physical Science," & Conservation of Energy (*ante*).

En famille, Fr. = in family; "in a quiet way."

Enfield, Wm., Nonconf. ✝, * 1741 Sudbury, Suffolk, † 1797 Norwich. ✓ "The Speaker," &c.

Enfield, ⊙ Middlesex; Govnmt. small-arms mnf.; 20,000 inh. E. rifle adopted 1853.

Engadin, valley in Grisons, Switz.; upper & lower; villages,

St. Moritz, Tarasp, Silvaplana, Samaden; ⚓ Inn; 11,000 inh.

Engel, 1] J. J., ♙, æsthet., ☉ & rom. ✓, * 11/9 1741 Parchim, † 28/6 1802. "Lorenz Stark." 2] Ernst, statist., * 26/3 1821 Dresden.

Engelbert, St., archbishop of Cologne, * 1185, murdered 1226.

Enghien, L. Ant. H., duc d', son of Prince L. J. de Condé, * 2/8 1772 Chantilly; seized by order of Nap. I. at Ettenheim, carried to France, shot 21/3 1804 Vincennes.

England, S.E. part of island of Grt. Brit.; 51,000 s.m., 26,750,000 inh.; bounded on N. by Scotland, on W. by Wales. ⛰s: Cheviots, Cumbrian, Pennine; highest pks., Skiddaw 3,022 ft., Scawfell 3,166 ft. ⚓s: Thames, Severn, Mersey, Humber, Ouse, Avon. *Products & manfs.*: coal, iron, tin, zinc, porcelain, glass, paper, leather, silk, salt, lead, copper, grain, cloth, linen, cotton, woollens, cutlery, jewellery. *Divisions*, 40 counties. Cap. ⊙, London. ⊙s: Liverpool, Birmingham, Leeds, Sheffield, Northampton, Wolverhampton, Leicester, Portsmouth, Plymouth, Bristol, Nottingham, Stockport, Manchester, Hull, Newcastle, Carlisle. Rys. 13,000 m. *Vide* Great Britain.

England, Church of, v. Church of England.

England, New, v. New England.

England, 1] John, Irish Rom. C. †, * 1786 Cork; bp. of Carolina & Georgia 1822. ✓.
2] Sir Richd., Brit. ✕ offr., * 1703 Detroit, Canada; comnd. division in Crimean War, † 19/1 1883.

Englefield, Sir H. C., Ψ & ✈ ✓, * 1752, † 1822 London.

English Channel, narrow sea betw. Eng. & Fr.; only 18 m. wide betw. S. Foreland & Cape Grisnez.

English Language, of Teuton orig., w. Fr. & Lat. admixture, in 11th & subs. cents. Few traces of Celtic remain.

English Literature, 1st period, to 1520, imitation of foreign models; chief poet. ✓, Chaucer. 2nd period, 1520–1688, golden age; ☉s, Shakespeare, Jonson, Beaumont & Fletcher, &c.; poets, Spenser, Milton, Waller, Cowley, Butler, &c. 3rd period, 1688–1790, reign of French taste, Pope, Thomson, Young; Goldsmith, Sheridan; Swift, Sterne; Fielding, Richardson; Steele, Addison. 4th period, Byron, Shelley, Tennyson; Scott, Dickens, Thackeray.

Enharmonic, ♯, having intervals less than a semitone; having less intervals than a semibreve.

Enniskillen, chf. ⊙ Fermanagh co., Ireland; ✕ 1689; 5,900 inh.

Ennius, Quintus, Rom. ep. poet. ✓, * 239 B.C., † 169 B.C.

Enotrio Romano, pseud. of G. Carducci (*q.v.*).

Ensign, 1] ✕, anciently, lowest commissioned offr. in an inf. regt.; carried colours. 2] ⚓ flag w. field of red, white, or blue, with Union in uppr. cornr. next staff. The white E. bears also a St. George's Cross quartering the white field, & is used by Roy. ⚓ & by a few other specially prmitd. vessels; *v.* Flags.

Ensilage, ✓, green crops preserved under pressure in air- & water-tight receptacles or silos, so as to ferment very slightly; valuable for cattle; keeps a year.

Entablature, △, superincumbent mass at head of column, resting on abacus (*q.v.*).

Entail, ⚖, tenure by a man, not only for himself, but also for the heirs of his body, without right of alienation, save for term of life, or under Settled Land Act.

Entente, Fr. = understanding.

Enteritis, ✚, inflammation of the bowels, generally caused by cold, accompd. by pain & constipation; often fatal: treated w. external fomentation & sedatives.

Enthymeme, log., a syllogism with one premise suppressed; *e.g.*, "diligence is a virtue, therefore

it is laudable;" the suppd. prem. being "every virtue is laudable."

Entick, John, Eng. clergym. & ✓, * 1713, † 73. "Lat.-Eng. Dict."

Entomology, science of study of insects. They are divided into 3 sub-groups: *ametabola*, having no metamorphosis; *hemimetabola*, havg. 3 indistinct metamorphoses; *holometabola*, having 3 distinct metamorphoses; & 6 orders: *hemiptera* (aphides, &c.), *neuroptera* (cricket, ant, locust, &c.), *coleoptera* (case-winged beetles), *hymenoptera* (4 naked wings), *lepidoptera* (moths, butterflies), *diptera* (2 wings & 2 poisers).

Entomostraca, or Gnathopoda, zool., sub-class of crustaceans of aquatic habit, w. horny carapace & jointed limbs; fnd. in ponds, &c.

Entophytes, ✱, plants which grow in the interior of animals or vegets., chiefly fungi: esp. *botrytis infestans*, potato-fungus; *oidium tuckeri*, vine-mildew, &c.

En tout cas, sunshade large enough to serve also as umbrella.

Entozoa, zool., class of animals living within bodies of others.

Entr'acte, Fr. = between acts: music or ballet to fill the interval.

Entrecasteaux, J. A. Brum d', French adm. & navig., * 1739 Aix; explored S. Pacific, † 93.

Entrée, Fr. = entrance. A made dish.

Entremet, Fr. = point between; a sweet made-dish.

Entre Minho e Douro, Port. province; 4,531 s.m., 984,000 inh.

Entre nous, Fr. = between ourselves.

Entrepôt, Fr. = mart; bonded warehouse.

Entresol, rooms immed. above the grnd. floor; a mezzanine floor.

Envoy, a diplomat. represent. of 2nd rank, inferior to ambassador.

Eocene, ⚒, lower division of tertiary strata containing earliest fossils of existing species. They include, in descend. order: Bembridge, Osborne, Headon, Barton, Bracklesham, Alum Bay, Soissons London clay, Woolwich & Reading, & Thanet beds or series.

Eolian, *v.* Æolian.

Eon de Beaumont, Charles, Chevalier d', French adventurer & diplomatist, * 5/10 1728 Tonnerre; assumed female garb for political purposes 77, † 21/5 1810 London.

Eos, Greek myth., goddess of dawn; Aurora.

Eozöon, palæont., oldest form of fossil anim. known up to 1864; a rhizopod.

Epact, chronol., excess of solar over lunar mo., or of solar over lunar year.

Epaminondas, Theban statesman & ⚔, * 414 B.C.; defeated Sparta, † 362 at ⚔ Mantinea.

Epaulement, ⚔, shoulder-high breastwork.

Epaulette, ⚔ & ⚓, ornament worn on shoulder of offrs. of Brit. navy & formerly also of army; also of many foreign officers.

Epée, C. M., Abbe de l', * 25/11 1712 Versailles; friend of deaf-mutes, † 28/12 89 Paris.

Ephah, Hebr. dry measure = 10 omers = 1985·77 cubic inches.

Ephebol, anct. Greece, youths of 18–20.

Ephelis, ✱, a freckle.

Ephemera, entom., typ. gen. of *ephemeridæ* or May-flies, including *E. vulgata*, or common May-fly.

Ephemerides, ✎, places of planets for a number of successive days; almanacs; periodicals.

Ephesians, The Epistle to the, prob. written by Paul from Rome *ca.* 62; attributed by De Wette to another hand of 1st cent.; rejected by F. Baur.

Ephesus, anct. ⊙, ⊙ of W. coast of As. Minor; temple of Artemis, ruins discovd. 1870. Council of E. 431.

Ephialtes, the betrayer of the Greeks at Thermopylæ 480 B.C.: nightmare.

Ephors, in anct. Sparta, 5 executive & judic. offrs. electd. annually.

Ephraem Syrus, St., a father of Syr. Christ. Ch., † 378 Edessa. ✓.

Epic, poem relating a story of heroic or exalted events.

Epicarp, ✱, the skin of a fruit.

Epictetus, Stoic ☆, 1st cent.; expelled from Rome to Epirus: his teachings collected by Arrian.

Epicurus, Grk. ☆, fnder. of Epicurean school, * 342 B.C. Samos, † 270 Athens; taught that happiness is greatest good & is fnd. in temperance & virtue, not sensuality. ✓.

Epicycle, the track of a body wh. moves in a circle the centre of which moves round a fixed point.

Epicycloid, curve described by a point in a circle that rolls upon or within the circumf. of anoth. circle.

Epidemic, ✱, of a disease, attacking a number at the same time & place; owing to diffusn. of germs.

Epidermis, outer layer of skin; cuticle. In ✱, the layer of cells covering all exposed parts of plant except the stigma.

Epigastrium, hum.anat., region of stomach betwn. breast & waist.

Epiglottis, anat., cartilaginous flap covering mouth of glottis, or opening betw. trachea & pharynx.

Epilepsy, ✱, falling sickness; fits: cause unknown; often assoc. with idiocy; apt to grow periodic; once almost incurable after adolescence, but now trtd. successfully by bromides of potasm., ammonm. &c.

Epimenides, Cretan poet invited to Athens by Solon 6th cent. B.C.; quoted in *Titus* i. 12; said to have slept 50 years in a cave.

Epinay, Mme. L. F. P. de la L. d', friend of J. J. Rousseau, * *ca.* 1725, † 83. ✓.

Epiphanius, Hebr. Christn. †, archbp. of Constantia, * 310, † 403.

Epiphany, Christian fest. commemorating appearance of star to wise men; on Twelfth Day: 6/1 in Western Church.

Epiphytes, or Air-plants, ✱, plants wh. grow on other plants, but do not get nourishment from them; *e.g.*, mosses, lichens, orchids.

Epirus, ancnt. ⊙, N.W. coast of Greece, now S. Albania; conquerd. by Rome 168 B.C., by Turkey 1466.

Epistolæ Obscurorum Virorum, collection of satir. letters in bad Latin by Crotus Rubianus, &c., against the Papacy; 1515.

Epistyle, △, architrave.

Epithalamium, marriage song.

Epithelium, physiol., layer of cells forming lining of all internal cavities of body.

Epizoa, zool., lowest division of crustaceans; parasitic on fishes.

Epizöon, any external animal parasite on the body of another.

E Pluribus Unum, Lat. = one out of many; motto of U.S.A.

Epoch, a point of time from wh. a new computation begins & from wh. suc. years are numbered (*e.g.*, the birth of Christ); an important period. *v.* Era.

Eponym, the chief archon at anct. Athens: a name invented to account for the name of a country.

Epping Forest, or Waltham F., royal forest in Essex, Eng., N.E. of London; once larger, now 6,000 acres; declrd. by Q. Victoria public possession for ever 7/5 1882.

Epsom, ⊙ Surrey, Eng.; springs of sulphate of magnesia discd. 1618; races on Tues., Wed., & Thurs. before Whitsund. (*v.* Derby, The); 7,000 inh.

Epsom Salts, ⚗ & pharm., magnesium sulphate, $MgSO_4.7H_2O$; soluble; used as saline purgative.

Equation of Time, difference betw. mean & apparent or sun-dial time; may be found in ephemerides for every day of the year.

Equator, ⊙ & ☄, a great circle round the earth, equidistant from the poles. Its latitude is zero (0°); parallels of lat. are counted from it, & are numbered towards the poles, the latitude of which is 90°.

Equatorial Current, navig. & meteor., a cool current from E. to W. in tropics.

Equatorial Telescope, telescope mounted so as to have motion in two planes at right angles to one

another; one parallel to axis & one to equator of earth.

Equinox, ♎, point at which the ecliptic, or apparent annual path of the sun round the earth, cuts the equator. The two points are passed on 21/3 & 22/9, when length of days and nights is equal.

Equites, in ancient Rome, the cavalry; subsequently the knights.

Equity, the correction or modification of law to suit the justice of partic. cases. All Brit. courts administer both ⚖ & E., but formly. Chancery was the sole Court of E.

Equity of Redemption, ⚖, concession to a mortgagor of a reasonable time (20 yrs.) to redeem his estate when it has been mortgaged below its value.

Er, Eb or E, ☡, symb. of erbium.

Era, an epoch which is chronologically dated from; *e.g.*, the birth of Christ. Julian Period began 4713 years before Christn. Era; the year A.D. 1888 is therefore 6597 of Julian Period. Other Eras which are reckoned from are: Jewish Era of Creation B.C. 3761; Hindu Shaka of Shalivahana 79 A.D.; Hindu Samvat of Vikramaditya 57 B.C.; Hindu 3rd Parasurama Cycle 825 A.D.; Parsi, of Yezdijird 632 A.D.; Mahom. of Hejira 622 A.D.; Nipal Newar 870 A.D.; Nirvana of Buddha 543 B.C.; building of Rome (Varro) 753 B.C.; Armenian 552 A.D.

Erard, Sebastian, harp & piano mnf., * 1752 Strasburg; to Paris 68, to London 90 & 1808, † 31 Passy.

Erasistratus, Grk. ⚕ of Alexandria, 3rd cent. B.C.; fath. of anat.

Erasmus, Desiderius (Gheraerd), Dutch schol. & ✓, * 28/10 1466 Rotterdam, † 12/7 1536 Basle; to Eng. 1497, again 1510, Margaret prof. of ✝ at Cambridge. Edited New Test. in Grk. 1516; "Praise of Folly," "Colloquies," &c.

Erastus, Thomas (Lieber), Swiss ⚕ & ✝, * 1524 Baden, Sw., † 83 Basle; in oppositn. to Beza, maintained final suprem. of civil authority in ecclesiastical matters.

Erato, Greek myth., muse of erotic poetry & mimicry.

Erbium, ☡, an earth-metal formg. rose-colourd. oxide; atomic weight 170·55.

Ercilla y Zuñiga, Don A. de, poet. ✓, * 1533 Madrid, † there 95.

Erckmann, Émile, Fr. rom. ✓ with A. Chatrian (*q.v.*), † 20/5 1882 Phalsbourg.

Erebus, classical myth., son of Chaos & father of Night: Hades.

Erechtheus, Erichthonius, Gk. mythology, king of Athens, son of Hephæstus. The constellation Auriga.

Ergo, Latin = therefore.

Ergot, disease proded. by actn. of fungus, *claviceps purpurea*, esp. of rye. E. of rye used in ⚕ for assisting childbirth, &c.

Eric, Erik, name of 14 kings of Swed. & 8 of Denmk. 1] E. XIV. of Swed., s. of Gust. Vasa, * 15/12 1533; suc. 60, deposed 69, poisoned 26/2 77. 2] E. VIII. of Denmk. & XIII. of Swed., dk. of Pomerania, * 1382; suc. 1412, cruel, deposed in Sweden 37, in Denmark 39, † 59.

Ericaceæ, ✿, order containing heaths & rhododendrons.

Ericsson, 1] John, ⚙, * 31/7 1803 Langbanshyttan; to N. Amer. 39, discovered caloric engine, built first monitor, improved torpedoes.

2] His brothr. Nils, * 1802, † 70; Swed. Ry. & canal ⚙.

Erigena, John Scotus, Irish ✝ ✓, † 875. "De Divisione Naturæ."

Eriksson, or Ericsson (*q.v.*).

Erin, native name of Ireland.

Erinna, Grk. poetess, * ca. 630 B.C., † 611; friend of Sappho.

Erinyes, Grk. myth., the Furies.

Eriodendron, ✿, the wool-tree, w. spongy wood & palmate leaves.

Eriometer, instr. to meas. the diameter of small fibres.

Eris, Greek myth., Discordia; goddess of discord; sister of Ares.

Erivan, Irwan, ⊙ Russ. Armen. ⊕; ceded by Turk. 1828; 35,000 inh.

Erjish Dagh, ▲ Asia Minor; 13,100 feet.

Erl King, Erlkonig, German myth., inhabitant of Black Forest who destroyed men & children.

Erle, Sir Wm., English ⚖, * 1793 Fifehead-Magdalen; M.P. 1837, Just. of Com. Pleas 44, of Q. Bench 46, Chf. Just. of C.P. 59–66, † 28/1 80.

Ermine, or Stoat, zool., *mustela erminea;* red-brown in summer, white in wint., w. black-tipped tail.

Ermine-moth, entom., *hyponomeuta padella.*

Ermine Street, one of the four grt. anct. Rom. highways in Eng.; runs North & South.

Erne, ornith., white-tailed eagle.

Erne, Lough, Irish lake in co. Fermanagh; 40 miles long.

Ernest, or Ernst, 1] E. II., dk. of Suabia, revolted from Emperor Conrad II., † 1030; hero of folk-lore. 2] E., Elector of Sax., fnder. of Ernestine Line, * 24/3 1441; suc. 64, † 26/8 86. 3] Ernest I., duke of Sax.-Cob.-Gotha, * 2/1 1784; succd. 1806, commd. against French 13 & 15, † 29/1 44. 4] E. II., his s. & suc., * 21/6 1818; suc. 29/1 44, commanded against Denmark 49; ♛ composer, promoter of arts, &c.; to N.E. Africa 62. 5] E. Augustus, k. of Hanover, 5th s. of George III. of Eng., * 5/6 1771; received crown 1837, † 18/11 51.

Ernestine Family Order, Saxe-Cob.-&-Gotha F.O., estd. 1833.

Ernst, 1] H. W., Austr. ♛ comp. & violin., * 1814 Brunn, † 14/10 65 Nice. 2] *v.* Ernest.

Eros, Grk. myth., Cupid; Amor.

Errata, errors; things to be corrected.

Errington, Sir George, * 1839; unoff. represt. of British Govt. at Vatican 81–85, M.P. Longford 80–83.

Error, Writ of, ⚖, writ fnded. on alleged error of judgment, & carrying suit to another court.

Erse, Gaelic, the Celtic dialect of Scot. highlands; corruptn. of Irish.

Erskine, 1] Ebenezer, Scot. ✝, founder of United Presbyt. Ch., * 1680, † 1754. ✓. 2] Ralph, his brother, ✝ & poet. ✓, * 1685, † 1752. 3] Thomas, 1st Baron, ⚖ & judge, * 10/1 1750 Edinburgh, † 17/11 1823 Almondel; Ld. Chanc. of Eng. 1806; defnd. Paine, Horne Tooke, Q. Charlotte. 4] David, Ld. Dun, Scot. ⚖, * 1670, † 1755. 5] John, of Cardross, Scot. ⚖ ✓, * 1695, † 1768. 6] Hon. Henry, Scot. ⚖ & schol., * 1746; Ld.-Advocate, † 1817. 7] Henry, 3rd Lord Cardross, * *ca.* 1650; opposed Lauderdale, impris.; to S. Carolina, friend of Wm. III., † 1693. 8] Sir Thos. s. of 3, ⚖, * 12/3 1788 London; Chf. Judge in Bankruptcy 1831–42, Just. of Com. Pleas 39–44, † 9/11 64. 9] William, orientalist, * 1773, † 1852.

Erwin v. Steinbach, ▲, * *ca.* 1244, † 17/1 1318; Strasburg cathed.

Erysipelas, or St. Anthony's Fire, ✗, a spreading feverish inflam. of the skin; often fatal. Give tonics, & aconite & belladonna.

Erzeroum, Erzrum. ⊙ & ♔ Turkish Armenia, on Euphrates; captd. by Russ. 1878; Grk. bpric., Armenian patriarch; 60,000 inh.

Erzgebirge (German = metal mountains), ▲ between Saxony & Bohem.; ⚒; highest peak 4,000 ft.

Escapement, horol., device to convert continuous rotary into oscillating isochronous movement.

Escarpment, a steep face.

Escheat, ⚖, to revert to the crown or to lord of the manor through failure of inheritors; or to the crown in consequence of conviction of tenant of treason or felony. This E. is now abolished.

Eschenbach, Wolfram v., troubad. of 13th cent. at court of Hermann of Thuringia. ✓ "Parsifal."

Escoiquiz, Juan, Sp. statesm. & ✓, * 1762 Navarre, † 1820 Ronda; translated "Paradise Lost," &c.

Escott, Thos. Hay Sweet, journ. & misc. ✓; editor of *Fortnightly Review* 1862–86.

Escudo, Span. coin = 10 reales = 2s. English.

Esculapius, class. myth., god of ✗.

Escurial, Escorial, Span. village 27 m. N.W. of Madrid; palace, &c., built by Philip II. after 1557; royal mausoleum, partly burnt 1872.

Escutcheon, herald., shield on which coat armour is represented. E. of Pretence, sm. shield bearing arms of an heiress & placed in centre of her husband's shield.

Esdras, two books of apoc. Old Test., both rejected by Council of Trent; date from *ca.* 1st cent. B.C., contain subsequent interpolations.

Esher, Lord, *v.* Brett.

Esmarch, J. F. A., surg., * 9/1 1823 Tonning; prof. at Kiel, / on ✕ & sanit. surg.

Esoteric, secret. E. Buddhism, a form of spurious Buddhism put forward by Theosophists.

Espartero, Joaq. Baldomero, dk. of Vittoria, Sp. ✕ & statesm., * 1792 Granatula; regent 1841–43, Prem. 54–56, refused crown 70, accept. Alphonso 75, † 8/1 79 Logroño.

Esparto, ✱, name of 2 grasses, *macrochloa tenacissima* & *lygeum spartum;* former used in manf. of mats, ropes, & lately of paper.

Esprit, Fr. = spirit; wit. *E. de corps,* pride in, or fellow-feeling with, associations.

Esquimaux, the inhabitants of Arctic Amer. & Asia; link betwn. Mongols. & N. Amer. Inds.: akin to Samoyedes of N. Europe & Asia.

Esquimaux Dog, zool., *canis familiaris,* var. *borealis.*

Esquire, anctly. shield-bearer of a knt.; now title by law of untitled sons of noblemen, eldest sons of barts. & knts., sons of younger sons of noblemen, judges, J.P.s, ✕ & ⚓ officers, barristers, doctors of ✱ & ✱.

Esquirol, Jean E. D., ✱ & mental ✱, * 1772 Toulouse, † 1840. /.

Esquiros, H. Alphonse, French polit. & /, * 1814 Paris; exiled; to Eng. 53, member of Nat. Assemb. "The English at Home." † 15/5 76.

Essen, ⊙ Rhenish Prussia, on Ruhr; iron & coal, ⚒; Krupp's gun factory; 57,500 inh.

Essence d'Orient, liquor made from subst. in scales of the bleak; used in manf. of artificial pearls.

Essenes, Hebr. sect wh. arose 2nd century B.C.; mystics.

Essential Oils, oils obtd. from plants, usually by distill. w. water; soluble in alcohol; inflamm.; used in perfumery.

Essequibo, 1] ⚓ of British Guiana; flows *ca.* 600 m. to Atlant. O. nr. Georgetown. 2] One of the three settlements of Brit. Guiana.

Essex, Kingdom of, distr. N. of lower Thames. Chief ⊙s: London, Camulodunum, Verulam. The Anglo-Saxon kingdom lasted 527–746.

Essex, marit. co. of S.E. Eng., on Thames; 1,648 s.m., 577,000 inh.; rets. 8 M.P.s: Mid (Chelmsford), N. (Saffron Walden), N.E. (Harwich), S.(Romford), S.E., S.W. (Walthamstow), E. (Maldon), W. (Epping). Chief ⊙, Chelmsford.

Essex, 1] Robt. Devereux, 2nd earl of, favourite of Q. Eliz., Ld.-Lt. of Ireland, * 10/11 1567 Netherwood; captd. Cadiz 96, exec. 21/2 1601 Tower Hill. 2] His son Robt., 3rd earl, Parlt. genl. in civil wars, * 1591, † 1646. 3] *v.* Cromwell.

Essex, James, Eng. △, * 1723 Cambridge, † 84; restored Ely & Lincoln Cathedrals, &c.

Estaing, Chas. Hector, Cnt. d', Fr. adml., * 1729, † 94 Paris.

Estancia, Span. = a cattle-farm.

Estates of the Realm, in Eng., the Lds. Spirit., Lds. Temp., & Commons. The Press has been called the 4th Estate.

Estcourt, Richd., Eng. ⚖ & ⚖ /, * 1668 Tewkesbury, † 1713.

Este, Ital. princely house of the stock of the Guelphs (Welfen); reigned in Bav. from 1070, afterwards also in Saxony & Italy. In Modena & Ferrara expired in 1803, but survives in house of Hanover.

Esterhazy v. Galantha, Hung. nob. fam. 1] Paul, * 1635, † 1713; deftd. Turks, defend. Vienna 1683, & Buda 86. 2] Nic., * 1765; refused crown of Hung. 1807, † 33. 3] His

s., Paul Ant., prince, Hung. statesman, * 10/3 1786; For. Min. 1848, † 21/5 66.

Esther, title of book of Old Test. cont. a story wh. appears to date from time of the Seleucidæ.

Esthonia, Esthland, gvt. of Eur. Russ., on Baltic, added to Russ. by Treaty of Nystadt 1721; 7,817 s.m., 325,000 inh. Chief ⊙, Revel.

Estoppel, ⚖, a bar to action, fnded. on man's former act or deed.

Estovers, ⚖, supplies or necessaries; *e.g.*, alimony. Common of E. is right of tenant to take wood for fuel, &c., from the estate.

Estreat, ⚖, a true copy of an orig. writing, esp. of penalties set down in rolls of court.

Estrées 1] Gabrielle d', mistr. of Henry IV. of Fr., * 1571, † 10/4 99; ancestress of dks. of Vendôme. 2] Her brother, Franç. Annibal, Fr. marsh., * 1573, † 5/10 1670. 3] His son, Jean, adml., * 1624, † 9/3 1707.

Estremadura, 1] prov. of Port., on Atlantic; 8,834 s.m., 955,000 inh. Chf. ⊙, Lisbon. 2] Anct. prov. of Sp., now forming provs. of Badajoz & Caceres; 14,329 s.m., 742,000 inh.

Étage, Fr. = story; floor.

Etah, distr. of N.W. Provs., Brit. Ind.; 1,512 s.m., 708,000 inh.; Brit. since 1801. Chief ⊙, E.; 8,000 inh.

Étampes, Anne de Pisseleu, duch. d', mistr. of Fras. I. * 1508, † 76.

Etappe, ⚔, rest-house.

Etat Major, Fr. = ⚔ staff, of army or regiment.

États Généraux, Fr. = States-General; anct. Netherlands govt.

Etawah, distr. of N.W. Provs. of Brit. Ind.; 1,691 s.m., 680,000 inh. Chief ⊙, E.

Etc., or &c., = Lat. *et cæter-i -æ* or *-a* = & other men—women—things.

Etching, process of tracing a picture on a varnish- or wax-coverd. copper plate & then biting out the lines with acid. The plate being cleand. & inkd. can be printed from.

Ethandun, ⚔ 878, Alfred deftd. the Danes; (?) Edington, Wilts.

Ethelbald, 1] k. of Wessex 858-60. 2] K. of Mercia, * 716, † 757.

Ethelbert, 1] k. of Kent 560-616. 2] King of England 860-66.

Ethelfleda, d. of k. Alfr., † 919.

Ethelred, 1] I., k. of Eng. 866-71, † ⚔ Merton. 2] II. ("the Unready") k. of Eng. 979-1016.

Ethelreda, or Audry, St., Q. of Egfrid, king of Northumbria, 7th cent.; founded convent ch. at Ely.

Ethelwulf, k. of Eng. 836-58.

Ether, 1], ⚗, name given to any organ. compds. derivd. from alcohls. by the replacement of the hydrogen atom in the hydroxyl of the alcohol by a radical. Esp. ethyl E., or sulphuric E., $C_4H_{10}O$, prepd. by action of sulph. acid on alcohol: sp. grav. 0·736, vapour 2·58 times that of air; mixed w. air it explodes in contact w. flame; dissolves fats, resins, &c.; distils at 96°. In pharm., *spiritus ætheris* (E. 10 fl. oz., rect. sp. 20 fl. oz.) is rapid stimul.; appld. extern. as spray it prods. local insensib.; vapour inhaled is anæsthetic. 2] Æther, the elastic substance wh. is suppd. to permeate space; transmits light & heat.

Etherege, Sir Geo., Eng. ✆ ✓, * *ca.* 1636 Oxford, † 94 Ratisbon.

Ethics, moral ☙, laws of individual conduct.

Ethiopia, anct. ⊕, Afr. country, now Nubia, Kordofan, Sennaar, & N. Abyssinia. Capital ⊙, Meroe.

Ethiops-mineral, pharmacy, black sulphuret of mercury.

Ethmoid Bone, anat., light bone betw. orbital proces. at root of nose.

Ethnarch, prince of the people.

Ethnography, science of natus. & customs. Ethnology, science of human races. Latham's divs. of races are: *Mongolidæ*, Asia, Polyn., Amer.; *Atlantidæ*, Afr.; *Japhetidæ*, or Caucasian, Europe, W. Asia. Last are divided into Aryan or Indo-Europ., & Semitic or Syro-Arab.

Ethylic Ether, *v.* Ether.

Etienne, called Stephanus, fam. of typogs. & schols., esp. Henri, * 1528, † 98. ✓ "Thesaurus Græcæ."

Etiquette, law of polite society.
Etna, *v.* Ætna.
Eton, Eng. ⊙ Bucks, on Thames; coll. fndd. 1441 by Hy. VI.; 3,500 inh.
Etrennes, Fr. = New Year's gifts.
Etruria, 1] Tyrrhenia or Tuscia, anct. ⊙, now Tuscany & Italy N. of the Tiber; contained 12 independent States, conqrd. by Rome 2nd cent. B.C. 2] Pottery distr. of Staffordshire; 5,000 inh.
Ettrick Shepherd, Jas. Hogg
Etty, Wm., Eng. ●, * 10/3 1787 York, † there 30/11 1849; R.A. 28.
Etui, Fr. = case; sheath.
Etymology, the science of derivation of words.
Etzel, *v.* Attila.
Eu, Louis M. P. F. G. d'Orleans, Ct. d', eld. s. of duc de Nemours & grd.-son of Lo. Philippe, * 28/4 1842 Neuilly; m. 64 Isab., dau. of Pedro II. of Braz., comd. Braz. army agnst. Paraguay 64–70.
Euboea, Egribo, or Negroponte, island in Ægean Sea, 90×30 m.; 80,000 inh. Cap. ⊙, Chalcis.
Eucalyptus, ✱, genus of *myrtaceæ*. *E. globulus,* blue gum-tree of Tasmania; destys. malaria; suppl. volatile oil used in ✱. *E. gunnii,* Tasman. cider-tree, exudes liq., wh. ferments & becomes a beer.
Euchre, card game modified from écarté; highest card, knave of trumps, right bower; next card, other knave of same colour, left bower. All cards frm. 1–7 discarded.
Euchry, Turk. meas. of length $= \frac{1}{16}$ ziraï = ca. 4 inches.
Euclid, 1] Grk. math. & geom. of Alexandria, 3rd century B.C. ✓. 2] of Megara, Grk. ♟ of 4th & 5th centuries B.C.; pupil of Socrates.
Eudocia, origlly. Athenais, Grk. w. of Theodosius II.; unjustly div., † ca. 460 Jerusalem; Christian ✓.
Eudoxia, 1] Empr. of the West, * 422; w. of (1) Maximilian III., (2) Petronius Maximus. 2] Empr. of East, * 375, † 404; w. of Arcadius.
Eugène, François, Prince of Savoy, Austrian statesm. & genl., * 18/10 1663 Paris, s. of E. Maurice, Count of Soissons; assoc. of Marlborough, † 21/4 1736 Vienna.
Eugénie, Marie de Guzman, Ctess. de Teba & Marq. de Montijo, ex-Empr. of the Fr., * 5/5 1826 Granada; m. Napol. III. 30/1 53, fled to Eng. 4/9 70, widowed 73.
Eugenius, name of 4 Popes. 1] I., 654–57. 2] II., 824–827. 3] III., 1145–53. 4] IV., 1431–47.
Eugubine Tablets, 7 tab. fnd. 1444 at Eugubium, now Gubbio; supply key to anct. Umbrian lang.
Eulalia, St., * Merida, martyd. 12/2 308.
Eulenspiegel, or Tyll Owlglass. Germ. comic myth. hero of a work prob. ✓ by T. Murner, 1475–1530.
Euler, Leonard, math., * 15/4 1707 Basle; prof. at Academy of St. Petersburg, † there 7/9 1782. ✓.
Eultchek, Turk. meas. of capac. = 1·761 pint.
Eumenes, 1] Grk. genl. of Alex. the Gt., * 360 B.C.; k. of Cappadocia, Paphlag., & Pontus; assd. by Antigonus 315. 2] II., * 197 B.C., † 159; k. of Pergamos, ally of Rome.
Eumenides, Gr. m., the Furies.
Euonymus, ✱, the spindle-tree; 40 species.
Eupatoria, or Kosloff ⚓ ⊙ in Crimea; Eng. & Fr. disembd. 14/9 1854; ✕ 15–18/2 55, Russ. deftd.; 8,000 inh.
Euphemism, rhet., substitn. of a pleasing for an offensive word.
Euphrates, As. ⅄, formd. of ⅄ Phrat & Murad-Su, wh. unite, & are joined by Tigris, & flow as Shat-el-Arab to Pers. Gulf; in all ca. 1,930 m. Chf. branch rises nr. Ararat ▲ & Lake Van.
Euphrosyne, class. myth., one of the Graces.
Euphuism, affect. of excessive eleg. in lang.; frm. Lyly's "Euphues."
Eupolis, ✓ of old Attic com., * 445 B.C.
Eurasian, offspring of a Europ. & an Asiatic.
Eure, dept. of N. Fr., part of old province Normandy; 2,300 s.m., 380,000 inh. Chief ⊙, Evreux.

Eure-et-Loir, department of N. France, part of old prov. Orleanais; 2,268 s.m., 290,000 inh. Chief ⊙, Chartres.

Eureka, Grk. = I have found it.

Euripides, Greek trag. ⊙ /, * 480 B.C. Salamis, † 406 Pella; attacked by Aristophanes; wrote 75 plays, of which 18 survive.

Europa, Greek myth., dau. of Agenor, k. of Phœnicia; belovd. by Zeus, who wooed her as a white bull, & took her to Crete, where she was the mother of Minos, Rhadamanthus, & Sarpedon.

Europe, continent, N. of Afr. & W. of Asia; warmer, owing to Gulf Stream, than correspondg. parts of Amer. & Asia; people chiefly Caucasians: but Turks, Magyars, Lapps, & Finns are Turanians; centre is a large plain. ⛰s: Alps, Apennines, Carpathians, Balkans, Pyrenees, Scandin. ⚓s. ⚓s: Volga, Danube, Don, Dnieper, Petchora, Dwina, Vistula, Tagus, Elbe, Rhine, Rhone. *Countries:* Brit. Isles, Norway & Sweden, Denmark, Holland, Belgium, France, Spain, Portugal, Italy, Switzerland, German Emp., Austro-Hung. Emp., Russ., Turky., Lichtenstein, Montenegro, Roum., Servia, Bulgaria, Greece, Monaco, Andorre, San Marino; 3,400 × 2,400 m.; area, with isles, 3,800,000 s.m.; 300,000,000 inh. *Brit. poss.:* Channel Isles, Heligoland, Gibraltar, Malta, Cyprus.

Eurus, the East wind.

Euryale, 1] Greek myth., a Gorgon, dau. of Phorcys. 2] *E. ferox*, ✱, water-plant of Bengal; introduced to England 1809.

Eurydice, Grk. myth., w. of Orpheus, wh. follwd. her to Hades, but lost her through looking back.

Eusden, Lawrence, Eng. poet. /; poet laureate 1718, † 30.

Eusebius, 1] of Cæsarea, father of eccles. ✱, * *ca.* 265 Palestine, † 340; bp. of C. 315–40. 2] His contemps.: E., bp. of Emesa, & 3] E., bishop of Nicomedia.

Eustachian Tube, anat., bony & cartilag. canal from tympanum of ear to upper part of pharynx.

Eustachius, Bartolom., It. anat. * *ca.* 1508 San Severino, † 74. /.

Eutaw Springs, S. Carolina; ⚔ 8/9 1781, last ⚔ of War of Indep.

Euterpe, Grk. myth., muse of lyric poetry.

Euthanasia, painless death.

Eutropius, Flavius, Rom. ✱ / of 4th cent., secrety. to Constantine.

Euxine, the Black Sea (*q.v.*).

Evander, myth. Arcadian who spread civilisation in Italy.

Evangelicals, the Low Ch. Pty. of Ch. of Eng.; Prot. of all sects.

Evangelical Alliance, union of evangelicals of all creeds; fnded. 10/8 1845 Liverpool.

Evangelists, The, Matthew, Mark, Luke, John.

Evans, 1] Marian ("George Eliot"), Eng. nov. & poet. /, * 22/11 1819, † 22/12 80; lived with G. H. Lewes, marrd. 78 J. F. Cross, trans. Strauss's "Life of Jesus" 46, / "Scenes from Cler. Life" 58, "A. Bede" 59, "Mill on the Floss" 60, "S. Marner" 61, "Romola" 63, "F. Holt" 66, "Middlemarch" 71, "D. Deronda" 76, "Theoph. Such" 79; & poems "Span. Gipsy" 68, "Legend of Jubal" 74. 2] Sir de Lacy, Brit. genl., * 1787 Moig, Ireland; commnd. Brit. legion in Sp. 35, M.P. 31, lieut.-genl. 54, served in Crimea, † 9/1 70. 3] Oliver, Amer. ⚙, * 1755 near Philadelphia; invtd. high-press. steam-eng., † 1811 New York. 4] David Morier, journ. /, * 1819, † 1/1 74. 5] Sebastian, art design. & journ. /, * 2/3 1830 Market Bosworth; edit. Birm. *Daily Gazette* 67–70, *People*. 6] Sir Fredk. J. O. Brit. ⚓ officer, * 1814; Hydrog. to Admiralty 74, † 20/12 85.

Evaporation, ♨, conversion of subst. into vapour by actn. of heat.

Evarts, W. Maxwell, Amer. statesm., * 6/2 1816 Boston; defend. Prt. Johnson 68, Att.-Genl. of U.S. 68, counsel for U.S. at Alabama arbitration 72, Sec. of State 77–81.

Evelyn, John, ✓, * 31/10 1620 Wotton, † 27/2 1706. "Diary," &c.

Evening News, London eveng. Conserv. paper, established 1881.

Evening Primrose, ❀, *œnothera biennis*; opens at sunset.

Everest, Sir Geo., ⊕, * 4/7 1790 Wales; surveyed Himalayas, † 1/12 1866 London.

Everest, or Gaurisankar, ▲ in Himalayas, betw. Nepaul & Thibet, 29,002 ft.; highest ▲ in the world.

Everett, 1] Alex. Hill, Amer. polit. & ✓, * 1790 Boston; Chargé-d'Aff. at the Hague 1818–24, Min. to Spain 25–29, to China 45, † 47 Canton. 2] His bro. Edw., Amer. scholar & statesm., * 1794 Dorchester, Mass.; editor *N. Amer. Review*, govr. of Mass. 1835–39, Min. to Eng. 41–46, presidt. of Harvard Coll. 46–49, Sec. of State 52, † 15/1 65.

Evergreen Beech, *fagus betuloides.* E. Oak, *quercus ilex.* E. Thorn, *cratægus pyracantha.*

Everlasting Pea, ❀, the perennial *lathyrus latifolius.*

Eversley, Chas. Shaw Lefevre, Visct., * 1794 London; M.P. 1830, Speaker 39–57, peer 57.

Evesham, Eng. ⊙ in Worcestershire, 5,150 inh.; ⚔ 4/8 1265.

Eviction, ⚖, expelling or dispossessing by law; ejectment.

Eviva, long live!

Evoë, Grk. exclamtn. of triumph.

Evolution, gradual product. of highly-organisd. structure out of simple form, modifd. by survival of fittest, sexual selection, &c., &c. (*See* Darwin's "Origin of Species.")

Ewald, 1] H. G. Aug. v., crit., orient., & †, * 16/11 1803 Göttingen, † 4/5 75. ✓. 2] J., Dan. lyr. ✓, * 18/11 1743 Copenhagen, † 17/3 81.

Ex, Lat. = out of; *e.g.*, ex S.S. *Owl* = (unloaded) out of the *Owl.*

Exarch, anct. Byzant. govr. of the Ital. provs., resident at Ravenna.

Ex Audi, Sunday before Whitsunday, from Psalm xxvii. 7.

Exc., *excudit*, Lat. = (he) did the work.

Excalibur, sword of k. Arthur.

Ex cathedra Petri, Lat. = from the chair of Peter: Papal official utterances, believed to be infallible.

Excellency, title of ambassadors, colonial & provinc. govrs., & Lord-Lieutenant of Ireland, &c.

Exchequer, anct. Eng. court of record, wh. directed royal revenues; business now done by Bank of Eng., und. direct. of Chanc. of E., who is a Cabinet Min. He sat in Court of Excheq. above the barons, till 1785: his ⚖ functions abold. 1873. Eng. & Irish E.'s consolidatd. 1816.

Exchequer Bills, interest-bearing promiss. notes issd. from Exchq. by auth. of Parlt. They form chf. part of unfunded debt of Great Britain.

Excommunication, formal expulsion from eccles. communion. Lesser E., deprivation from the Eucharist. Greater E., total deprivation of eccles. (&, in some R. Catholic countries, of civil) rights.

Excursus, Lat. = digression.

Exeat, Lat. = he may go out; permission to depart. In ⚖, writ of *ne exeat regno* prevents a party to a suit from leaving the country.

Executor, Eng. ⚖, one appointd. und. a will to admin. estate of testator after his death; must obtain probate within 6 mos.; realise estate, pay debts, dispose of residue as directed; not bound to act.

Exempli gratiâ, Lat. = for the sake of example: abbrevtd. to *e.g.*

Exequatur, official recognition of a consul or commercial agent by governmt. to which he is accredited.

Exeter, chf. ⊙ Devonsh., Eng., on Exe; cathed. 12th cent., 48,000 inh. Returns 1 M.P.

Exhibition, The Great, London, 1/5–15/10 1851; a second E. in London, May–Nov. 62; Prague 1791; Munich 1818; Mayence 42; Paris 55, 67, 78; Vienna 73; Philadelphia 76; Sydney 79; Melbourne 80.

Exit, Lat. = he goes out. *Exeunt* = they go out.

Exmouth, Edward Pellew, 1st Visct., Brit. adml., * 1757 Dover;

adml. 1814, bombd. Algiers 27/8 16, † 33 Teignmouth.

Exodus, the going forth; name of 2nd book of Old Test., attribd to Moses, but prob. at least partly by other hands betw. B.C. 1100–450.

Ex officio, Lat. = by virtue of one's office.

Exogens, ✱, the dicotyledons; class of plants of which the woody circles are prod. by outw. growth towards circumf.: possess bark & cont. pith; incl. all ordin. forest trees.

Exosmosis, *v.* Endosmosis.

Exotic, not native, but introd.

Ex parte, Lat. = from one part; one-sided.

Ex pede Herculem, Lat. = (judge) Hercules from his foot: judge from the sample.

Explosive, ⅄, subst. capable of rapid decomp., w. evolut. of much gas & heat. This decomp. in a confined space exerts violent pressure, in propor. to vol. of gas liberated & to speed of liber. Among violent E.s are gun-cotton, nitro-glycerine, gunpowder; & mixtures of coal-gas & air, & of firedamp & air.

Exports, Value of, in 1886: Grt. Britain and Ireland £268,667,017; in 1884, Chili £9,581,850; U.S. of Columbia £1,127,000; Ecuador £1,450,000; France £183,000,000; Germ. Emp. £166,743,820; Italy £47,000,000; Jap. £6,000,000; Mex. £9,250,000; Holl. £57,000,000; Russ. £130,000,000; U.S.A. £156,884,200.

Exposé, Fr. = something exposed; a revelation.

Ex post facto, Lat. = from something done afterwards. In ⚖, retrospective.

Ex tempore, Lat. = from the momnt. of time, without preparatn.

Extensor Muscles, anatomy, muscles wh. straighten the joints.

Exterior Angles, geom., A.s made by prod. one side of a fig., or by prod. line joining pts. in parallels.

Extincteur, apparatus for extinguishing fires by means of water charged with carbonic-acid gas; invented by F. Carlier 1862 as improv. on invt. of T. Phillips 49; subseq. impd. by W. B. Dick.

Extract, pharm., a veget. principle drawn out w. water, alcohol, or ether, & evapd. to paste. A liquid E. is only evapd. to a cert. strength.

Extradition, ⚖, delivery by one Govt. to another of persons charged with crime in the country wh. claims them. E. is always a subject of treaty. Grt. Brit. does not grant it for polit. offences. She has E. treaties with Fr., Austr., Belg., Brazil, Denmark, Germany, Hayti, Italy, Honduras, Holland, Norw. & Swed., U.S.A., Switz., &c.

Extreme Unction, in R. Cath. Ch., sacrament of anointg. dying pers. with consecr. oil after absolut.

Ex voto, Lat. = from a vow; offering in return for a favour.

Eyalet, or Vilayet, Turk. prov. governed by pasha or beglerbeg.

Eyas, unfledged; esp. of a hawk.

Eyck, 1] Hub. van, ●, * *ca.* 1366 Maaseyck, † 18/9 1426 Ghent. 2] His b., Jan, * *ca.* 1385 Maaseyck, † 9/7 1440 Bruges; they introd. oil ●.

Eye, anat., organ of sight. Human E. is hollow ball w. walls comp. of 3 layers: sclerotic, choroid, & retina. Sclerotic is white of eye, & gives pl. in front to horny round plate, cornea. Choroid is also modified in front, wh. it forms the iris, a circ. curtain behind the cornea, provd. w. central apert., the pupil. Behind iris is transpart. body, the crystalline lens, doubly convex, wh. has power of self-adjustmt. Space between lens & cornea is full of aqueous humour; space behind lens contains vitreous humour. Retina recvs an image whence impressns. are conveyed by the optic nerve to brain. E. is moved by 6 muscles, & is waterd. by tears secretd. by lachrymal glands, & carried off by lachrym. ducts from inner corners of eyes to nostrils. Eyelids are thin plates of cartilage covrd. w. skin, & lined inside with conjunctiva, wh. also envelops front of eyeballs.

Eye-teeth, teeth next grinders in upper jaw; canines of upp. jaw.

Eylau, Pruss. ⊙, 3,700 inh.; ⚔ 7–8/2 1807.

Eyre, 1] Sir James, Eng. ⚖, * 1733; Record. of Lond. 63, Chief Bar. of Excheq. 87, Chief Just. of C. Pleas 94, † 99. 2] Edw. John, * 1815; Lieut.-Gov. of New Zealand 46, of Antigua; gov. of Jamaica 62, suppressed insurr. 65, recalled 66; prosecuted, but Grand Jury threw out bill. 3] Chas., R. Cath. †, * 1817 York; archbp. of Anazarba 69, of Glasgow 78. ✓.

Eyre = Lat. *itinere.* Justices in E. = justices who go on circuit.

Ezekiel, Hebrew proph.; his book: its genuineness generally accepted; written *ca.* 575 B.C.

Ezra, Hebrew ✓; the book in the O. Testament, prob. work of several ✓s, E. incl.; *ca.* 450 B.C.

F.

F, 6th letter of alphabet. ♮, 4th note of diatonic scale of c major = It. & Fr. *fa.* F-clef = bass-clef. In Rom. nums., F=40. In meteor., F. = Fahrenheit. *F.* (felon) anctly. branded on felons admitted to ben. of clergy; abolished 1822. In ℞, F. = *fiat* = let it be made. F. = Fellow; *e.g.*, F.R.S. = Fellow of Roy. Soc. In ⚗, F = Fluorine, Formic Acid, Formates. In Bibl. crit., F = Codex Augiensis.

Faber, 1] G. S., † ✓, * 1773 Calverley; prebend. of Salisbury 1831, † 54. 2] Francis W., hymn-writer, †, * 1815, † 63.

Fabii, Rom. nob. fam. almost extermd. in ⚔ against Veii 477 B.C.

Fabius Maximus Verrucosus, Q., Rom. ⚔; dictator 217 B.C. against Carth., adopted "Fabian policy" of delay, 5 times cons., † 203.

Fable, class of fict. narrative, incl. parable & apologue; *e.g.*, parables of Christ, apologues of Æsop. Chief ✓s of F.s: Bidpai, Lokman, Æsop, Babrios, Phædrus, Arrian, Faerné, Casti, La Fontaine, Florian, Gay, Lessing, Pfeffel, Kryloff.

Fabliau, in old Fr. ✓, didactic poem for recitation.

Fabrice, Geo. F. Alf., Count v., Sax. genl., * 23/5 1818 Quesnoy; Min. of War 66, gov. of E. France 70–71, Premier 76.

Fabyan, or Fabian, English chronicle ✓, † 1512.

Face-&-Hood, ✿, *viola tricolor.*

Face-in-Hood, ✿, *aconitum napellus.*

Facile princeps, Lat. = easily chief; by far the best.

Façon, Fr. = method. *F. de parler,* method of speaking. *Sans F.,* without method; brusquely.

Factor, arith., the multiplier & multiplicand. Algeb., any quantity entrg. into an algebraic expression.

Factory Acts, Eng.: 1802 (42 Geo. III., c. 73); 1819 (59 Geo. III., c. 56); 1833 (3 & 4 Will. IV., c. 103); 1844 (7 & 8 Vic., c. 15); 1847, 1867 (30 & 31 Vic., c. 103 & 146); 1871, 1878 (41 Vic., c. 16), &c.

Factory Maund, or F. Mana, weight, East Indies = 74⅔ lbs.

Faculty, in a univ., the tutors & profs. of a partic. department. In eccles. ✓, a licence, granted by Court of F.s of an archbp.

Fadeieff, Wratislav, Russian genl., * 1826; director of Press Bureau 70. ✓.

Faed, Thos., ●, * 1826 Scot.; A.R.A. 59, R.A. 64.

Fagotto, Italian, ♨ = bassoon.

Fahlcrantz, Christ. Ern., Swed. poet. ✓, * 30/8 1790, † 6/8 1866 Westeras. "Noah's Ark," &c.

Fahrenheit, Gab. Danl., experimental ✓, * 14/5 1686 Dantzic, † 16/9 1736 Holland; improved therm. 14, & barom.; F.R.S. 24.

Fahrenheit's Thermometer is divided so that freezing point is 32° = zero of Cent. & Réaumur; boiling point, 212° = 100° Cent. & 80° Réaumur. Temps. are given in this vol. according to F.'s notation.

Faidherbe, Louis Leon C., Fr. genl. & ✓, * 3/6 1818 Lille; in

Algeria 44–70, commd. N. army 70, retired 71, Grand Chanc. of Leg. of Honour 81.

Faience, Majolica, species of glazed & painted earthenware, first manufactured at Faenza, 13th cent.

Failly, Ch. Achille de, Fr. genl., * 21/1 1810 Rozoy; in Algeria 30–54, Crimea 55, Italy 67.

Fainéant, Fr. = do nothing: name applied to Clovis II. & his 10 successors, & to Louis V.

Fairbairn, 1] Sir W., mechan. ⚙ & ⚙ /, * 19/2 1789 Kelso, † 18/8 1874 Surrey; bart. 69; one of first bldrs. of iron ships & tubular bridges. 2] Alex., †, * 1839 Edinburgh. /.

Fairfax, 1] Edw., English /; transltd. Tasso 1600. 2] Thomas, 3rd Lord, * 17/1 1611 Denton; genl. of Parlt. army 44, resgd. 50, † 12/2 71 Nunappleton. 3] His father, Ferdinando, 2nd Lord, Eng. Parlt. genl., * 1584; † 14/3 48.

Fair Grass, ✿, 1] *Potentilla anserina.* 2] *Ranunculus bulbosus.*

Fairholt, F. W., lit. & Ψ /, * 1814, † 3/4 66.

Fair Isle, Scot., betw. Orkn. & Shetl.; wreck of Armada 1588.

Fairleigh, Frank, pseud. of F. E. Smedley (*q.v.*) as ed. *Sharpe's Lond. Mag.*, & title of his 1st novel.

Fair Maid of Kent, Joan, Countess of Salisbury, w. of Edw. the Black Prince.

Fairy. F. bell, cap, fingers, or glove, ✿, *digitalis purpurea;* F. butter, ✿, *tremella albida;* F. cheese, ✿, *malva rotundifolia;* F. cups, ✿, *primula veris;* F. flax, ✿, *linum perenne;* F. bath, ✿, *pesiza coccinea.*

Fairy Rings, patches of discoloured grass in a meadow; due to action of subterranean fungi.

Fait accompli, Fr. = deed accomplished; unalterable event.

Faithorne, W., engraver, * ca. 1616 London, † 91.

Faithfull, Emily, / & philanthropist, * 1835 Headley.

Faizabad, divn. of Oudh, Brit. Ind.; 7,118 s.m., 3,000,000 inh.; comp distrs. of F., Gonda, Bahraich. Distr. of F., 1,649 s.m., 1,050,000 inh. Cap. ⊙, F., on Gogra ⚓; 38,000 inh.

Fakir, Arab. = dervish; a begging ascetic in India.

Falcon, ornith., one of *falconidæ; e.g.*, peregrine falcon, *falco peregrinus.* In falconry, female is falcon & male is tersel.

Falcon, Falconette, ancient light artillery, 6 ft. long, 2-in. bore.

Falconberg, Eliz., Cntess. of, 3rd dau. of O. Cromwell, * 1637; married 57, † 1712.

Falconer, 1] Wm., Scot. ⚓ & poet. /, * 11/2 1732 Edinburgh, † by shipwk. in Mozambique Chan. in *Aurora* 70. 2] Hugh, ✿, * 1808 Forres, † 65; to Ind. 30–42, 48–55. /.

Falernian, Campanian wine.

Falieri, Marino, Venet. statesman & Doge 1354, * ca. 1284; sought absol. power, exec. 17/4 55.

Falk, 1] J. D., /, * 28/8 1768 Dantzic, † 14/2 1826 Weimar. 2] P. L. Adalb., Pruss. statesm., * 10/8 1827 Silesia; Min. of Worsh. 72–79, auth. of May Laws, memb. of Reichstag.

Falkenstein, 1] J. P., Baron, Sax. statesm., * 15/6 1801 Pegau, † 13/1 82. /. 2] Edw. Vogel v., Pruss. genl., * 5/1 1797 Dolzig, † 85.

Falkirk, ⊙ Stirlingsh., 18,300 inh.; ⚔ 22/7 1298, Wallace deftd. by Edw. I.; ⚔ 18/1 1746, Pretender vict. With other burghs rets. 1 M.P.

Falkland, Lucius Cary, Visct., Eng. statesm. & ⚔, * 1610 Burford, † ⚔ Newbury 20/9 43.

Falkland Islands, or Malouines, Brit. group of *ca.* 100 in S. Atlant. O., 300 m. E. of Strait of Magellan; discvd. 1592 by Davis; British 1771, & since 1833. Chief isles: E. Falkland, 2,700 s.m.; W. Falkland, 2,000 s.m.; 1,600 inh. Chf. ⊙, Port Stanley. Rev. *ca.* £9,700, expend. *ca.* £7,800.

Falling Sickness, epilepsy.

Falling Stars, aerolites (*q.v.*).

Fallopius, or Fallopio, Gabr., anat., prof. at Pisa & Padua, * *ca.* 1523 Modena, † 62 Padua.

Falloux, F. Alf., Ct. de, French polit. & ✓, * 1811 Angers; Min. of Education 48–49, † 86.

Fallow Deer, zool., *dama vulgaris*, in Eng. parks. F. finch, ornith., wheat-ear, *saxicola œnanthe*.

Falmouth, ⚓ ⊙ Cornwall; 4,500 inh. With Penryn rets. 1 M.P.

Falquière, Jean Alex. J., Fr. ☺ & ⊕, * 1831 Toulouse; prof. at École des Beaux Arts.

Falsetto, vocal ♥, artif. tone, higher than that of natural voice.

Familistère, co-operat. estab. fnded. *ca.* 1845 by Godin at Guise, Fr., for harmonising claims of cap. & labour; mnfs. stoves, &c.

Famine. Cotton F., Lancash., 1863; potato F., Ireland, 1846–7; Indian F.s, 1770, 1781–3, 1790–2, 1860–1, 1865, 1874, 1876–7; Eng. F.s, 1087, 1251, 1315, 1335, 1353.

Fanam, coin, Madras = 1¾d.; Ceylon = 1½d.

Fane, Hon. Julian, poet. ✓, * 1827, † 70. Life by Lord Lytton.

Fane, Violet, pseud. of Mrs. Singleton, ✓.

Fanega, Sp. fl meas. = 12-21 galls.

Fanegada, Sp. superf. meas. = *ca.* 7,890 square yards.

Fanny Fern, pseud of Sarah Payson Parton, *nee* Willis, Amer. ✓, * 1811, † 72.

Fanshawe, 1] Anne, ✓, * 1625, † 80. 2] Her husband, poet. ✓ & dipl., * 1608, † 66.

Faraday, Mich., ⚗ & nat. ⚗, prof of ⚗ in Roy. Instit., * 22/9 1791 Newington, † 25/8 1867 Hampton Ct. ✓.

Farcy, disease in horses, similar to glanders.

Farey, J., ⊕, * 1791 Woburn, † 1851. ✓.

Fargus, Frederick J. ("Hugh Conway"), rom. ✓, * 1847, † 15/5 85. "Called Back."

Faridkot, State of N W. Ind.; 600 s.m., 70,000 inh. Chf. ⊙, F.

Faridpur, distr. of Dacca divn. of Bengal, Brit. Ind.; 2,365 s.m., 1,520,000 inh. Chief ⊙, Faridpur.

Farinelli, v. Broschi.

Farini, Luigi Carlo, Ital. statesman, * 22/10 1812 Russi; Sard. Min. of Educ. 50, dictat. of Parma, Modena 59, Min. of Inter. 60, Prem. 62, † 1/8 66 Quarto. ✓.

Farjeon, B. L., nov. ✓, * *ca.* 1830. "Joshua Marvel."

Farmer, Rich., philol., * 1735 Leicester, † 97 Cambridge.

Farnese, 1] Alex., v. Paul III., Pope. 2] His nat. s. Pietro Luigi, dk. of Parma. 3] His gd.s., Alex., * 1547; gov. of Sp. Netherlands 78, † 3/12 92. Fam. extinct 1731; palace in Naples is a museum.

Faro, Phare, lighthouse.

Faro, *Pour et Contre*, game of cards, introd. to Fr. frm. Ven. 1674.

Faröe Islands, grp. of 22 Dan. islands betw. Shetland & Iceland; 510 s.m., 11,500 inh. Chief isle, Stromo. Chief ⊙, Thorshavn.

Farquhar, Geo., ✍ ✓, * 1678 Londonderry, † 1707 London.

Farr, Wm., ⚕ & statist., * 1807 Kenley, † 79.

Farragut, Dav. Glasgow, Amer. ⚓ offr, * 5/7 1801 near Knoxville; commd. W. Gulf Squad. 61, captd. New Orleans & Mobile Bay, adm. 66, † 14/8 70.

Farrakhabad, distr. of Agra, B. Ind.; 1744 s.m., 920,000 inh.; hd.-qrs. Fategarh Chf. ⊙, F., on Ganges.

Farrant, Rich., ♥ composer, * *ca.* 1585.

Farrar, Fredc. Wm., schol. & †, * 1831 Bombay; canon of Westm. 76, archdcn of W. 83. ✓ "Eric" 58, "Life of Christ" 74, "Life & Wk. of St Paul." 79, "Early Days of Xtianity," 82.

Farre, 1] J. Jos F., Fr. genl., * 5/5 1816 Valence; commanded N. army 70. Minister of War 80–81. 2] Arthur, ⚕, * 6/3 1811 London, † there 17/12 87. ✓.

Farren, Eliza, ✍, * 1759; m. Earl of Derby 97, † 1829.

Farsang, Pers. = *ca.* 4 Eng. miles.

Farthing, Brit. bronze coin = ¼d.; anciently *fourthing*.

Farthingdeal, ¼ acre.

F.A.S., Fellow of Antiquarn. Soc.

Fasces, Rom. Ψ, rods bound rnd.

an axe; borne by lictors as symbs. of author. of Rom. magistrs.

Fascines, ✕, bundles of brushwood, used to face earthworks.

Fasti, Rom. Ψ, registers; historical records. F. of Ovid, poet. acent. of Roman year. *Fasti dies*, days on wh. business might be done.

Fata Morgana, meteor., Ital. name for mirage in Str. of Messina.

Fates (Lat. *Parcæ*, Grk. *Moirai*), class. myth., 3 daus. of Erebus & Nox, presidg. over duration of life: Clotho held distaff, Lachesis turnd. spindle, Atropos cut the thread.

Father Prout, pseudonym of Francis Mahoney.

Fathers of the Church, /s of early Christ. Ch.: 1] Apostolic or Primitive F.s: Hermas, Barnabas, Clemens Romanus, Ignatius, Polycarp, Justin Martyr, Irenæus, Athenagoras, Clemens Alexandrinus, Origen, Hippolytus, Tertullian, Cyprian, Minutius Felix. 2] Later F.s: (Grk.), Eusebius, Athanasius, Ephraem Syrus, Basil, Cyril of Jerus., Gregory Nazianzen, Macarius, Gregory Nyssen, Epiphanius, John Chrysostom, Theodoret, Cyril of Alexandria; (Lat.), Hilary, Lactantius, Ambrose, Augustine, Jerome.

Fathipur, distr. of Allahabad divn. of British Ind.; 1,585 s.m., 670,000 inhabitants. Chief ⊙, F.

Fathom, English ⚓ lineal measure = 6 ft.; Dan. & Norwegn. *fam* = 6·175 ft.; Fr. *brasse* = 5·329 ft.; Dut. *vaden* = 5·575 ft.; Port. *braca* = 6·004 ft.; Russ. *faden* = 5·906 ft.; Sp. *braza* = 5·492 ft.; Swed. *famn* = 5·843 ft.; Russian *sameni* = 6·000 ft.

Fatima, dau. of Mahomet, w. of Ali; from her descended Fatimite Khalifs of N. Afr. & Syr. 909–1171.

Fats, ⚗, glycerides, compds. of glycerine w. fatty acids. Heated w. alkalis they become soaps & yield glyc.

Fatty Acids, ⚗, monatomic organic acids belonging to series $C_nH_{2n}O_2$; some, as acetic & formic, thin, others oily, others like fats.

Faubourg, Fr. = suburb.

Faucher, Jul., free-trader & econ., * 1820 Berlin, † 12/6 78 Rome.

Faucit, Helen, ◐, * 1816; joind. stage 33, mar. Theod. Martin 51. /.

Fauna, general term for the animals of a country.

Faure, J. B., ◐ singer, * 15/1 1830 Moulines; joined stage 52, prof. at Paris Conserv. 57.

Faust, 1] or Fust, Johann, typog., worked w. Gutenberg at Mayence, † 1466 Paris. 2] v. Faustus.

Faustina, 1] w. of Emp. Antoninus Pius, † 141. 2] Her dau., w. of Emp. Marc. Aurelius, † 175.

Faustinus L., v. Soulouque, F.

Faustus, Faust, or Festus, semi-myth. person who had dealings with the devil; hero of ◐ by Marlowe, poems by Goethe & Bailey, opera by Gounod, &c.; * 16th century Knittlingen.

Faute de mieux, French = for want of better.

Faux pas, Fr. = false step; breach of good conduct.

Favart, 1] Ch. Simon, ◐ /, * 1710 Paris; m. 1745, † 92. 2] His wife, Marie Justine Benoîte, *née* Duronceray ("Chantilly"), * 1727 Avignon; joined stage 44, † 72.

Favre, 1] G. C. Jules, statesm., * 21/3 1809 Lyons; membr. of Nat. Ass. 48, memb. of Repub. Govt. 70, & For. Min., † 20/1 80. /. 2] Louis, ⊕, * 1813 Chêne Bourg; built St. Gotthard tunnel 72, † in it 19/7 79.

Fawcett, 1] Hy., polit. & econ., * 1833 Salisbury; blind 58, M.P. 65, Postmast.-Genl. 80, † 6/11 84 Cambridge. /. 2] His w., Millicent, *née* Garrett, * 1847, m. 67. /.

Fawkes, 1] Guido, Rom. Cath. conspir., * 1570 York; head of Gunpowder Plot, exec. 31/1 1606. 2] Francis, poet. /, * 1721, † 77.

Fay, Theod. S., Amer. novel & poet. /, * 1809.

Fayal, one of Azores Islands. Chief ⊙, Horta.

Faye, Hervé Aug. E. A., Fr. ✎, * 1814; director of Paris Observ. 78. /.

Fayrer, Joseph, surg., * 1824 Plymouth; to Ind. w. P. of Wales 75–76, kntd. 76. ✓.

F.D., *Fidei Defensor* = Defender of the Faith.

Feasts, *v.* Festivals.

Feather Grass, ✿, *stipa pennata*; F. Foil, ✿, water-violet, *hottonia palustris.*

Feather-weight, racing, the lightest weight carried by a horse in a handicap, now 5 st. 7 lbs.

Febrifuge, ℞, preventing or arresting fever; *e.g.*, quinine.

February, 2nd mo. of yr., introd. to calend. by Numa Pomp. *ca.* 713 B.C.; has 28 days, but 29 in leap-yr. Anglo-Sax. *sol-monath*, sun-month.

February Revolution, 24/2 1848; fall of Louis Philippe.

Fechner, G. T., experim. ♃ & misc. ✓, * 19/4 1801; professor at Leipzig 34.

Fechter, Ch. Alb., trag. ☾, * 23/10 1823 Lon., † 5/8 79 nr. Philadelphia.

Fecit, Lat. = he did it: used to express authorship of ● or engrav.

Feckenham (Howman), J. de, †, abb. of Westm. 1556, † 85 Ely. ✓.

Feddan, Egyptian meas. = *ca.* 7,140 square yards.

Federal Council, *Bundesrath* of Germ. Emp.; 58 members representing the States: Prussian 17, Bav. 6, Sax. 4, Wurttem. 4, Baden 3, Hesse 3, Meck.-Schw. 2, other States each 1 member.

Federal States, the Unionist, as opposed to Secess. or Confeder., States in Amer. Civil War 1861–65.

Fee, ⅋, fief or feud; land or tenement held und. certain conditions. Absolute F., or F. Simple, tenancy for ever for self & heirs. Limited F., or F. Conditional, has conditions. F. Tail, tenancy that necessarily reverts to heirs & cannot be alienated except. for term of tenant's life; but this rule is modified by Settled Land Act 1882.

Fehmic Courts, *v.* Vehmgerichte.

Fehrbellin, ⊙ Prussia, 2,100 inh.; ⚔ 28/6 1675.

Felder, F. M., ✓, * 13/5 1839 Bregenz; lived as a peasant, † 26/4 69.

Felix, name of 5 Popes. 1] I., St., 269–275. 2] II., Antipope. 3] III., St., 483–492. 4] IV., 526–530; introd. sacrt. of Extr. Unct. 5] V., Amadeus VIII. of Savoy 1440, resgd., † 51.

Fell, John, †, * 1625 Longworth; bishop of Oxford 76, † 86. ✓.

Fellah (*pl.* Fellaheen), Egyptn. villager & ✓; desct. of anct. Egypts.

Fellow, at Univs. of Oxford & Cambr., memb. who shares in the revs. of a college. F. Commoner, commnr. who dines w. the Fellows.

Fellowes, 1] Sir C., travlr., * 1799 Nottingham; brought Xanthian Marbles to Brit. Mus. 1842, † 60 London. 2] Robt., † & misc. ✓, * 1770, † 1847.

Felo de se, ⅋, a felony committed on one's self; suicide. Anciently in Eng. buried at night without rites of sepulture; these penalties removed by Act of 1882.

Felony, ⅋, name for those crimes wh. are not by Act of Parlt. called misdemeanours: formerly pund in Eng. w. death & forfeit of estates; includes murder, treason, burglary, &c. Compounding a F. is making terms for not prosecuting a felon. & is a misdemeanour.

Felspar, orthoclase, double silicate of potass. & alumina, genily. crystal.; any double silicate. Moonstone is a variety of Felspar.

Feltham, Owen, moral ✓, * *ca.* 1608, † *ca.* 66. "Resolves."

Felton, 1] Nich., †, * 1563 Yarmth.; one of translrs. of Bible, bp Coventry & Lichfield 1618, Ely 19, † 26. 2] J., assd. dk. of Buckingham, exec. 1628.

Feltre, Duc de, *v.* Clarke, J. G.

Female Fern, ✿, *asplenium filix femina.* F. Hemp, ✿, *cannabis sativa.*

Feme-covert, Eng. ⅋, married woman. *Feme-sole*, a single woman.

Femur, anat., the thigh bone; 1st bone of leg betw. *os innominatum* & *tibia.* In entom., 3rd joint of leg.

Fen-cricket, Mole-cricket, entom., *gryllotalpa vulgaris.* F.-duck, ornith., the shoveller. F.-goose, ornith., the grey-lag, *anser ferus.* F.-rue, ♃, *thalictrum flavum.*

Fénelon, Fr. de Selignac de Lamothe, Fr. orator, ✓, & †, * 6/8 1651 Périgord; archbp. of Cambrai 95, † 17/1 1715. "Télemaque."

Fenians, assoc. of Irish, fnded. in Amer. 1858, w. object of declaring Ireland a repub.: from the Fianna Eirinn, race of Irish myth. heroes.

Fenn, 1] Sir John, Ψ, * 1739 Norwich, † 94. ✓. 2] Geo. Manville, nov. ✓, * 3/1 1831.

Fennel, ♃, frag. umbellif. plant, *fœniculum vulgare;* usd. in coo'ery & ✗. Dog's F., *anthemis cotula.* Hog's or Sow's F., *peucedanum officinale.* Sea F., *crithmum maritimum.*

Fenton, 1] Edw., ✕ & ⚓ comr., * 1550 Nottingham, † 1603 Deptford. 2] Elija, poet. ✓, * 1683 Shelton, † 1730.

Fenugreek, ♃, *trigonella fœnum græcum;* used as ✗ for horses.

Fenwick, Sir J., Eng. conspir., * ca. 1650; implicated in Assass. Plot 96, executed 28/1 97.

Feodal, *v.* Feudal.

Feodor, name of 3 Russ. Czars of 16th & 17th centuries.

Feoffment, ⚒, conveyance of a *feud,* or estate in trust.

Ferabosco, Alfonso, ♛ comp., * 1560 Greenwich. His s. A., also ♛.

Feræ Naturæ, Lat. = of a wild nature: appld. in ⚒ to wild anims.

Ferdinand, name of 3 Emps. of Germ. 1] I., 1556–64. 2] II., k. of Bohem. & Hung., Emp. 1619–37. 3] III., his s. & successor 1637–57. 4] Emp. of Austr., s. of Francis I., succ. 1835; abdicated 48, † 29/6 75 Prague. 5] I., k. of Naples 1458–94. 6] II., k. of Naples 1495–96. 7] III., k. of Naples; was F. V. of Castile. 8] IV., k. of Naples (III. of Sicily & I. of Two Sicilies) 1759–1825. 9] II., king of Two Sicilies ("Bomba"), 1830–59. 10] I., k. of Port., 1367–83. 11] I., k. of Arragon & Sicily 1412–16. 12] II., k. of Arragon & Sicily; was F. V. of Castile. 13] I. of Castile ("the Great") 1035–65. 14] II., k. of Castile & Leon, 1157–88. 15] III. of Castile ("Saint"); succ. 1217, succ. in Leon 30, † 52, canonised 1671. 16] IV., k. of Castile & Leon 1295–1312. 17] V. of Castile, * 10/3 1452; succ. in Arragon & Sicily 66, m. 69 Isabella of Castile, succ. in Castile '9, abdictd. 1504, but ruled as regent, † 23/1 16. 18] VI. of Spain, 1746–59. 19] VII. of Spain; succ. 1808, expelled by Fr. 08, returned 14, † 29/9 33. 20] III., Grd. Duke of Tuscany 1790–1824. 21] IV., Grd. Duke of Tuscany, * 10/6 1835; succ. 59, expelled 59. 22] Dk. of Brunswick, Pruss. genl., * 12/1 1721; vict. at ✕ Crefeld 58, Minden 59, † 3/7 92. 23] K. consort of Port., P. of Saxe-Coburg, * 29/10 1815; m. Q. Maria da Gloria, regt. of Portugal 53–55, † 15/12 85.

Ferdosi, *v.* Firdousi.

Fère, Fr. ⊕ on Oise; 5,000 inh. Captured by Germ. 27/11 1870.

Ferguson, 1] Adam, ⚓ & ♛ ✓, * 20/6 1723 Logierait; prof. at Edin., sec. to Commiss. to Amer. 78, † 22/2 1816 St. Andrews. 2] James, ⊕ & ✗, * 1710 nr. Keith; to London 43, † there 76. ✓. 3] Sir Saml., Ψ & ⚒, * 1810 Belfast; presdt. of Roy. Irish Acad., kntd. 78, † 9/8 86. 4] James, ✓ on ⚠, * 1808 Ayr, † 9/1 86.

Fergusson, 1] Robt., Scot. poet. ✓, * 1751 Edinburgh, † 74 mad. 2] Sir James, statesm., * 1832; M.P. 54–68, Und. Sec. for Ind. & Home, govr. of S. Austral. 68, of New Zealand 72–74, of Bombay 80–85, M.P. 86, Pol. Sec. of For. Off. 86.

3] Sir W., surgeon, * 1808 Prestonpans; bart. 66, presdt. of Coll. of Surgeons 70, † 10/2 77.

Ferid-ed-din-Athar, Persian poet. ✓, * 1179.

Feringhee, *v.* Firenki.

Ferishta, Mahomet Kasim, ♛ ✓, * 1570 Astrabad, † ca. 1611.

Fermanagh, inl. co. Ulster, Irld.; 714 s.m., 85,000 inh. Chf. ⊙, Enniskillen.

Fermentation, process of ⚗ change induced by anim. or veget. organisms; *e.g.*, sugar to alcohol & carb.ac.gas by actn. of yeast fungus. Eithr. *vinous, acetous,* or *lactous*; *i.e.*, prodcg. alcohol, acetic acid, or lactic acid. Vin. is caused by *torula cerevisiæ*, & proceeds best betw. 68° & 104°; Acet., by *mycoderma aceti*; Lact., by *penicillium glaucum*.

Fern, ❦, the Filical Alliance, cons. of vascular acrogens w. one-celled spore-cases; 75 genera, divid. into 3 ords.: *ophioglossoceæ, polypodiaceæ, danæaceæ* or *marattiaceæ*. In pharm., male F., *filix mas*, dried rhizome used in ℞; anthelmintic.

Fernandez, 1] Juan, Span. ⚓ & discov., * *ca.* 1500; assistd. Pizarro in Nicaragua, † 38 Meta. **2]** Juan, Span. ⚓, * *ca.* 1520; discvd. 3 isles wh. bear his name 63, † 76.

Fernandez-Guerra y Orbe, Aurel., Span. ✍, poet., & ☾ ✓, * 16/6 1816 Granada.

Fernandez y Gonzalez, M., ☾ & rom. ✓, * 1823 Seville.

Fernando Po, island in B. of Biafra; area, w. Annobon, 483 s.m., 5,600 inh. Discovd. 1471 by Port., held by British 1827–34. Spanish since 44.

Fernkorn, A. D. v., ☾, * 17/8 1813 Erfurt, † 16/11 78 Vienna.

Ferokhshere, Emp. of India; seized throne 1712, assassinated 18.

Ferozeshar, ⚔ 21/12 1845; Lall Singh defeated by Gough.

Ferrara, Ercole da (E. Grandi), fresco ☻, * 1462, † 1513.

Ferrari, 1] Paolo, com. ☾ ✓, * 5/4 1822 Modena. **2]** Gaudenzio, ☻, * 1484 Valdugia, † 1549. **3]** Giov. And., ☻, * 1509 Genoa, † 1669. **4]** Greg., ☻, * 1644, † 1726.

Ferrars, or Ferrers, Geo., ✓, * *ca.* 1512 near St. Albans, † 1579.

Ferreira, 1] Alex. Rod., zool., * 1756 Bahia, † 1815. **2]** Ant., Port. poet. ✓, * 1528, † 69.

Ferret, zool., *putorius furo*, used for hunting rats & rabbits.

Ferrey, Benj., △, * 1/4 1810 Christchurch, † 22/8 80. ✓.

Ferrier, 1] David, ☨, * 1843 Aberdeen. **2]** James Frederick, metaph. ✍, * 1808 Edinburgh, † 64. ✓. **3]** Susan E., nov. ✓, * 1782, † 1854.

Ferrières, Fr. villg. nr. Lagny; 800 inh.; Germ. hd.-qtrs. 19/9–5 10.

Ferro, or Hierro, the most West of the Canary Islands; anct. place of 1st merid. of longitude; 82 s.m., 5,000 inh. Chief ⊙, Valverde.

Ferrocyanide, ⚗, ferro-prussiate. F. of iron, prussian blue.

Ferrol, ⚓ ⊙ Spain, on B. of Belanzos; dockyds., ⚒; 22,000 inh.

Ferrotype, photog. on black-lacquered iron plate.

Ferry, Jules F. C., Fr. statesm., * 5/4 1832 St. Dié, memb. of Govt. 70, Min. of Educ. 79, Premier 80–81, 83–85.

Ferrybridge, Yorksh., ⚔ 1461.

Ferstel, H. v., △, * 7/12 1828 Vienna, † there 14/12 83.

Fescennine Verses, lampoons.

Fesch, Jos., Cardinal, * 3/1 1763 Ajaccio; archbp. of Lyons 1802, † 13/5 39 Rome; step-bro. of moth. of Nap. I.: stat. at Ajaccio.

Fescue, ❦, *festuca ovina*.

Fessard, P. A., Fr. ☾, * 1798 Paris, † 1844.

Fesse, herald., broad band horiz. across shield. F.-point, cent. of escutcheon.

Festina lente, Lat. = hasten slowly; "more haste, less speed."

Fête, Fr. = festival.

Feti, Dom. (Il Mantuano), ☻, * *ca.* 1589 Rome, † 1624.

Fetich, Fetish, any object invest. w. mag. powers & worshipped.

Fétis, F. J., ♥ ✓, * 25/3 1784 Mons, † 26/3 1871.

Fetwa, Turkish ☪, a written judgment.

Feu, Scot. ☪, perpet. possession on paymt. of yrly. rent. F.-farm = the possn.; F.-duty or Feu-mail = the rent.

Feu de joie, Fr. = joyful discharge; firing of guns. *Feu d'enfer*, Fr. = hell-fire; hail of shot in ⚔.

Feuchtersleben, Bar. E., ☨, ✓,

& statesm., * 29/4 1806 Vienna, † 3/9 49.

Feudal System, anct. syst. of Europ. land tenure, founded upon assumpt. that chf. lord owned all the land; and on theory that he who held land of another was his immed. subordin. & owed him service: in the field (knight serv.), on the soil (soccage), & in finding supplies. Basis of modern land ⚖; *v.* Escheat, Copyhold, &c.

Feuerbach, 1] P. J. A. v., ⚖, * 14/11 1775 Hainichen, † 29/5 1833. ✓. 2] His son L. And., ✍, * 28/7 1804 Landshut, † 13/9 72 Nuremberg. 3] Anselm, ✍ ⊕, * 12/9 1829 Speier, † 4/1 80 Venice.

Feuillants, brnch. of Cistercians, estabd. 1577. Club of F.s 1791-92, assoc. of moder. Jacobins in Paris.

Feuillet, Octave, rom. & ⊙ ✓, * 11/8 1822 St. Lô.

Feuilleton, Fr.=leaflet; part of a polit. journal devoted to light ✓.

Féval, Paul H. C., rom. ✓, * 21/9 1817 Rennes, † 7/3 87.

Fever, ✗, *pyrexia,* any disease involving marked rise of bodily temperature; *v.* Scarlet-F., &c.

Feverfew, ✗, 1] the *pyrethrum parthenium,* anciently used in ✗. 2] Fevr.-wort, *erythræa centaurium.*

Feydeau, Ernest, rom. & misc. ✓, * 16/2 1821 Paris, † 29/10 73.

Feyen-Perrin, Aug., ⊕, * 1829 Bey-sur-Seille.

Fez, cap. ⊙ Morocco; 80,000 inh.

Fez, sm. cap. gently. red, worn by Turks, &c.; orig. mnfd. at Fez.

Fezzan, terr. of Tripoli; 150,000 s.m., 90,000 inh. Chief ⊙, Murzuk.

F.G.S., Fellow of Geological Soc.

Fiacre, French hackney-coach, invented 1640 by Sauvage.

Fiar's Prices, Scot. ⚖, feuar's prices, legal prices of grain for the year; fixed by sheriffs in February.

Fiasco, It. = a flask: a failure.

Fiat, Lat. = let it be done: ⚖, a judgm. *F. justitia, ruat cœlum*=let justice be done, tho' heaven fall.

Fibheoil, Fergus, Irish bard, lived *ca.* 200.

Fibre, *v.* Fibrous Tissue.

Fibrin, ⚗, albuminoid subst. in blood; causes it to clot. Human blood conts. *ca.* 2·55 per c. Veget. F., resid. when gluten is boiled w. alcohol.

Fibrous Tissue, any animal or veget. struct. comp. of fine threads or fibres; *e.g.,* tendons, wood. Formed by minute cells placed end to end.

Fibula, anat., outer bone of leg, paral. w., & smaller than, *tibia.*

Fichte, 1] J. Gottlieb, German ✍, * 19/5 1762 Rammenau, † 19/1 1814 Berlin; ✓; founder of Absolute Idealism. 2] His son, Imm. H., ✍, * 18/7 1797 Jena, † 8/8 1879 Stuttgart.

Fichtelgebirge, Bavarian ⛰, highest peak 3,500 ft.

Fick, Ad., * 3/9 1829 Cassel; prof. of physiology at Wurzburg 64.

Picker, Jul., ✍ ✓, * 30/4 1826 Paderborn; prof. at Innsbruck 52.

Fidalgos, Port. lower nobles (Spanish *Hidalgos*).

Fiddes, Rich., Eng. † & ✓, * 1671 near Scarboro', † 1725 Putney.

Fidonza, J. of, *v.* Bonaventura.

Field, 1] John, pianist, * 1782 Dublin, † 11/1 1837 Moscow; ♛ comp. 2] Cyrus W., * 30/11 1819 Stockbridge, Mass.; instrumental in laying cable between England & America. 3] Rich., Eng. †, * 1561 Hampstead, † 1616. 4] Nath., ✍ ✓, † 1641. 5] David Dudley, ⚖, brother of 2, * 13/2 1805 Haddam, Conn. ✓.

6] W. Ventris, Eng. ⚖, * 1813 Fielden; Q.C. 64, Just. of Queen's Bench 75.

Field of the Cloth of Gold, meeting-place, near Guisnes, of Henry VIII. w. Francis I., 7/6 1520.

Field-cricket, entom., *acheta campestris;* burrows in sand.

Fieldfare, ornith., *turdus pilaris.*

Fielding, 1] Hy., Eng. nov. & ⊙ ✓, * 22/4 1707 nr. Glastonbury;

educ. Eton & Leyden, † 8/10 54 Lisbon. "Joseph Andrews" 42, "Jonathan Wild" 43, "Tom Jones" 49, "Amelia" 51. 2] Ant. Vandyke Copley, English water-colour ●, * 1787, † 1855 Worthing. 3] Sir John, brother of 1, blind; succeed. his b. as magist. at Westminster, kntd. 1761, † 80. 4] His sister Sarah, /, * 1714, † 68.

Field-Marshal, highest rank in Brit. ✕, correspond. to Adml. of Flt. in ⚓; first conferred in Eng. 1736.

Field-mouse, zool., any burrowing mouse of the fields: *e.g.*, long-tailed F.-M., *mus sylvaticus*: short-tailed F.-M., *arvicola agrestis*.

Field-Officer, in ✕, any officer above rank of captain.

Field-vole, zool., *arvicola agrestis*; *v.* Field-mouse.

Fielitz, W., ♞ /, * 30/12 1845 Anclam.

Fiennes, 1] W., statesman, * 1582 Broughton; Lord Privy Seal 1660, † 62. 2] His son Nath., Parlt. offr. in Civ. War, * 1608, † 69.

Fieri facias (Fi. fa.), Lat. = cause it to be done; in ⚖, writ directing sheriff to levy upon goods.

Fieschi, 1] Ct. Giov. Luigi, of Lavagna, * 1523 Genoa; tried to overturn Venetian Republic, † 2/1 47. 2] Jos. M., revol., * 3/12 1790 Corsica; plotted to assass. Louis Philippe 28/7 1835, executed 6/2 36.

Fiesole, Fra Giov. da ("Il Beato Angelico"), Italian † ●, * 1387 Vicchio, † 18/3 1455. His real name, Guido da Pietro.

Fi. fa. = Fieri facias (*q.v.*).

Fife, marit. co. E. Scot.; 513 s.m., 173,000 inh.; rets. 2 M.P.s: E. & W. Chf. ⊙, Cupar.

Fife, ♪, small flute-like instrument. The flauto piccolo.

Fifth Monarchy Men, Eng. † & polit. fanatics in time of Cromwell; looked for temporl. monarchy of Christ, in succession to Assyr., Pers., Greek, & Rom. monarchies.

Fig, ♣, *ficus carica*; esp. its fleshy pericarp, wh. is edible. Any spec. of *ficus*.

Fig-gnat, entom., *culex ficarius*.

Fighting Fish, ichth., *macropus pugnax*, kept by Malays for fighting.

Figueras, S., Sp. repub. polit., * 1819; exiled 66, chief of Prov. Government 73, † 82.

Figuier, 1] G. Louis, pop. nat. hist. /, * 15/2 1819 Montpellier; prof. at Paris 52. 2] His wife, Juliette, *née* Bouscarean, * 1829, † 79; novel & ✆ /.

Figured Bass, ♪, bass having the chords suggested by figures.

Fiji, Feejee, or Viti Islands, grp. of 225 in S. Pacif.; 80 inhd. Chf. isles: Viti Levu, Vanua Levu, each *ca.* 800 m. in circumf. Total area 7,403 s.m., 125,000 inh. Ceded to Brit. 10/10 1874. Cap. ⊙, Suva, in Viti Levu. Isle of Rotumah annexed 81. Rev. *ca.* £76,000, expend. *ca.* £90,000.

Filbert, fruit of cultivated hazel, *corylus avellana*.

Fildes, Luke, ●; R.A. 87. * 14/10 1844, A.R.A. 79.

File Fish, Trigger Fish, ichth., the *balistidæ* family, from their rough scales & toothd. dorsal spine.

Filibuster, 1] freebooter, esp. in Carib. S. & Amer. 2] Organiser of warlike exped. in peace time; *e.g.*, after Mex.-Amer. War of 1845–48.

Filicaja, V. da, lyr. /, * 30/12 1642, † 24/9 1707 Pisa. "Italia!"

Fillan, St., Scot. † of 8th cent.

Fillans, James, Scot. ♫, * 1808 Wilsontown, † 52 Glasgow.

Fillmore, Millard, Amer. statsm. * 7/1 1800 Summerhill; V.-Presdt. of U.S. 48, 13th Presdt. at † of Z. Taylor 50–53, † 8/3 74 Buffalo.

Filmer, Sir Robt., political /, * East Sutton, † 1688.

Fin-Bec, pseud. of W. B. Jerrold.

Finch, ornith., pop. name of var. sm. birds of fam. *fringillidæ*.

Finch, 1] Heneage, 1st earl of Nottingham, ⚖, * 1621; Ld. Chanc. 75 & earl, † 82. 2] John, Lord, ⚖, * 1584; Speaker 1628, Chief Just. of C.P. 34, Ld. Keeper 40, † 60.

Finck, F. Aug. v., Prussn. genl., * 25/11 1718, † 66 Copenhagen.

Fingal's Cave, basaltic cave in I. of Staffa, off W. Scot.; from Fion na Gael, hero of Ossian's poems.

Finiguerra, T. • 1415 Florence, † *ca.* 76; invtd. copper-plate engr.

Fining, clearing wine w. solutn. of isinglass, &c.

Finis, Lat. = end.

Finisterre, or Finistère, marit. dept. of N.W. Fr., part of ancient province of Brittany; 2,574 s.m., 665,000 inh. Chief ⊙, Quimper.

Finisterre, Cape, W. pnt. of Sp.

Finland, a Grand Duchy of Europ. Russ., N. of Gulf of F.; 144,000 s.m., 1,940,000 inh. G. Dk., the Emp. of Russ., who appts. Gov.-Genl. Cap. ⊙, Helsingfors, anctly. Abo; *v.* Finns.

Finlay, George, ♛ /, • 1800 Glasgow, † 26/1 75 Athens.

Finlayson, Geo., ♯ & travlr., • *ca.* 1790 Thurso, † 23.

Finns, inhs. of Finland; br of Altaic stock; also called Tschudes.

Finsbury, Parlmt. distr. of London, div. into Cent., E., & Holborn divs., each of wh. rets. 1 M.P.; pop. of Parl. dist. 199,000, of bor. 530,000.

Finsch, F. H. O., zool. /, • 8/8 1839 Warmbrunn.

Fioravanti, V., ☿, • 1768 Naples, † 1837 Capua.

Fiorelli, Gius., Ψ, • 8/6 1823 Naples; directed excavations at Pompeii 60.

Fir, ✱, pop. name of many conifer. trees, esp. of genera *pinus* & *abies*.

Firdousi, Abul Kasim Mansour, Pers. epic /, • 941 nr. Tus, † 1020. "Shahnameh."

Fire of London, 2–6/9 1666, destd. 89 churches & 13,000 houses.

Fire-clay, clay which can be much heated without fusing; free from lime, magnesia, or iron.

Fire-damp, explosive mixt. of marsh gas & air in coal mines.

Fire Engine, invtd. by Pliny 70.

Fire-fly, entom., any lumin. flyg. insect, esp. *lampyridæ* & *elateridæ*.

Fire-ship, ⚓, ship charged w. combus., sent amg. enemy's vessls.

Fireworks, *v.* Pyrotechny.

Fire Worshippers, or Guebres, followers of Zoroaster; Parsees.

Firenki, Franks, name for Christians in Constantinople, &c.

Firkin, measure of capacity = 9 galls. = ¼ barrel. F. of butter = 56 lbs.; F. of soft-soap = 64 lbs.

Firlot, anct. Scot. measure of capac. = ¼ boll = (wheat) 2,214 cub. inches, (barley) 3,232 cubic inches.

Firman, Pers. = decree; passpt.

Firmenich, J. M., philol. /, • 5/7 1808 Cologne.

Firozpur, district of Lahore division of Brit. Ind.; 2,739 s.m., 560,000 inh. Chf. ⊙, F., on Sutlej.

First Fruits, or Annates, ✱ profits of † benefices during 1st year of holding; livings of under £50 exempt; others pay to Q. Anne's Bounty. Orignlly. paid to Popes.

First of June, ✕ of the, 1/6 1794, Ld. Howe deftd. Fr. off Brest.

Fiscal, Procurator-fiscal (*q.v.*).

Fischart, or Mentzer, J., satir. /, • 1545 Strasburg, † 89 Forbach.

Fischer, 1] J. G., lyr. & ✆ /, • 25/10 1820 Gross Sussen; prof. at Stuttgart. 2] Kuno, ⚗, • 23/7 1824 Sandewalde; prof. at Heidelberg. 3] Dr., African traveller, † 11/11 86.

Fischer von Erlach, J. B., ♙, • 1650 Prague, † 1723 Vienna.

Fish, Fishes, zool., the last class of vertebrates; w. cold blood, & permanent provid. w. gills; *ca.* 8,000 known specs. Cuvier divs. them into Osseous & Cartilaginous.

Fish, Hamilton, Amer. statesm., • 3/8 1808 New York; Memb. of Legis. 37, of Cong. 42, 43–45, govr. of New York 50, Senator 51, Sec. of State 69–77.

Fish-louse, zool., the crustaceous genus *caligus*.

Fisher, 1] John, Eng. †, • 1459 Beverley, bp. of Rochester 1504, Card. 34, opposd. Reformat., exec. 22/6 35 Tower Hill. 2] Edw., † /, • 1620, † 60. 3] Payne, ✕ & poet. /, • 1616, † 93.

Fishguard, ⚓ ⊙ Pembrokesh., held by Fr. 22–24/2 1797.

Fishing Frog, ichth., angler, devil-fish, frog-fish, or sea-devil, *lophius piscatorius.*

Fishing Hawk, ornith., osprey.

Fisk University, Nashville, Tenn., fnded. 1865 for educ. of negroes; estd. chfly. by exerts. of the Jub.-Singrs., who collct. ov. £30,000.

Fistula, in surgery, long narrow canal in which pus forms; one end communs. with external surf., other with serous or mucous cavity, as with *rectum* or *perinæum.*

Fitch, Ralph, Eng. travlr. 16th century; to the East 1583–91.

Fitchet, the pole-cat.

Fitger, Arth., German ✓ & ●, • 4/10 1840 Delmenhorst.

Fits, *v.* Apoplexy, Epilepsy, &c.

Fitz, Old Norm. = son of; used as pref. to names, and esp. to names of nat. sons of roy. persons; *e.g.,* Fitzroy, Fitzclarence, Fitzgeorge.

Fitzgerald, 1] Edw., translatr. of poems of Omar Khayyám, • 1809 Bredfield, † 83. 2] Lord Edw., 11th child of earl of Kildare, Irish revol., • 1763 Carton, † 96 Dublin. 3] Percy H., novel & misc. ✓, • 1834 Fane Valley. 4] Lord Thomas, Ir. revol., s. of 9th earl of Kildare; exectd. with his 5 uncles 3/2 1536. 5] Sir W. R. S. Vesey, statesm., • 1818; Und. Sec. of State 58–59, govr. of Bombay 67–72, Chief Comm. of Charities 75, † 29/6 85.

Fitzgibbon, J., Baron, Ir. ⚖, • 1748; Ir. Chanc. 89, † 1802.

Fitzherbert, Maria Anne, *née* Smythe, • 1756; m. (3rdly) 85 to Geo. P. of Wales, † 1837 Brighton.

Fitzjames, *v.* Berwick.

Fitzpatrick, W. J., biog. ✓, • 1830.

Fitzroy, Rt., Eng. adm. & meteor., • 5/7 1805; est. syst. of storm-warnings 63, † by suic. 30/4 65 Norwood.

Fitzwilliam, W. Wentworth, 4th earl, • 1748; Ld. Lt. of Ireland 94–95, Presit. of Counc. 1806, † 33.

Fitzwilliam Museum, Cambridge; from Earl Fitzwilliam, who left £100,000 to form the nucleus.

Five Members, The: Pym, Hampden, Holles, Haselrig, & Strode. Charles I. tried to seize them in the House of Coms. 1642.

Five-Mile Act, 1665, forbade Nonconf. teachers who would not take oath of non-resist. to settle within 5 m. of any corporatn. where they had preached since Act of Oblivion, under pen. of £40. Rep. 1689

Five Points, *v.* Calvinism.

Fives, hand-tennis; game played against a wall; very anct.

Fixed Stars, ✳, stars which apparently maintain their rel. positions; their distance from earth is 19,000,000,000,000 m. & upwards.

Fixture, ⚒, any furniture fixed to a ho.; any appendage let into land or united with it: is part of freehold, & cannot be removed by tenant unless made by tenant for purps. of trade, &c. (tenant's F.s).

Flaccus, 1] Caius Valerius, Rom. poet. ✓, † ca. 88. 2] *v.* Horace.

Flag, Edm., Amer. journ., nov., & ✓, • 1815.

Flag ✿, *iris,* esp. *I. pseudacorus* & *I. fœtidissima.* Corn F., *gladiolus.*

Flag-lieutenant, ⚓, a spec. of aide-de-camp to an admiral.

Flag Officer, in ⚓, offr. who is entitled to hoist a F. at mast-head: admiral, vice-adml., or rear-adm.

Flagellants, relig. fanats. of Mid. Ages who whipped themselvs.

Flageolet, ♪, wind instrument; invented 1581 by Juvigny.

Flagrante delicto, Latin = during the progress of the crime.

Flamboyant, Fr. = flaming; rich, gaudy. In ⚠, Fr. Perpendicular, with waving tracery.

Flame, gas raised to incandescence by ⚗ combination; its luminosity is intensified by floating solid particles wh. grow white-hot.

Flamen, Roman Ψ, a priest devoted to one god; *e.g.,* Jupiter.

Flamingo, ornith., *phœnicopterus ruber,* S. Eur., of ord. *natatores.*

Flamininus, T. Quinctus, Rom. ⚔, dftd. Maced. Cynocephalæ 197 B.C.

Flaminius, Caius, Rom. consul,

built circus & Flaminian Way 220 B.C., † ✕ Lake Thrasymene 217.

Flammarion, Camille, ✱ /, * 25/2 1842 Montigny-le-Roi.

Flamsteed, John, ✱, * 1646 Denby; first ✱ Royal 75, † 1719. /.

Flanders, anciently countship, now name of two provs., of Belg., viz., East F., 1,158 s.m., 900,000 inh., chf. ⊙, Ghent; & West F., 1,249 s.m., 705,000 inh., chf. ⊙, Bruges. Inh., Flamands & Walloons. Countship founded 9th cent.; belonged to ho. of Hapsburg 1477; partly Dutch 1815, partly Belgian 30.

Flâneur, Fr. = gossiper.

Flat, ♭, the sign ♭, wh. directs that the note to which it is prefixed must be lowered a semitone.

Flat Fish, ichth., the fam. *pleuronectidæ*, includg. sole, turbot, &c.

Flatman, Thomas, poet. /, * 1635, † 88.

Flaubert, Gust., rom. /, * 12/12 1821 Rouen, † there 7/2 80. "Madame Bovary," "Salammbô" 62.

Flavel, John, Nonconf. /, * 1627 Bromsgrove, † 91 Dartmouth. /.

Flavius, Rom. fam. to wh. Emps. Vespasian, Titus, Domitian belngd.

Flax, fibre from *linum usitatissimum;* used in making linen.

Flax, New Zealand, Flax Lily, ✱, *phormium tenax;* fibre woven.

Flaxman, John, ⊙, * 6/7 1755 York; R.A. 1800, † 26/12 26 London; collects. at Univ. Coll., Lond.

Flea, entom., a wingless insect, *pulex irritans*, or any parasitic *P.*

Flea-bane, ✱, *pulicaria* or *inula*; said to destroy fleas.

Flea-beetle, entom., *haltica nemorum.*

Flea-grass, ✱, *carex pulicaria.*

Fléchier, Esprit, French † & orator, * 1632 Pernes; bishop of Lavaur, & 87 Nismes, † 1710.

Fleck, Conrad, Sw. troubadour of 13th cent.; "Flore & Blancheflore."

Flecknoe, Richd., Ir. poet. /, * *ca.* 1612, † 78.

Fleet, The, ancient prison on Fleet Ditch, Lond., wh. marriages were perf., without licence, by needy chaplains. Blt. 12th cent., burnt 1381, again 1780, abold. 1841. F. marrs. abold. by Marriage Act 1753.

Fleetwood, Chas., Eng. repub. polit. & genl., * *ca.* 1620; Ld. Dep. of Irlnd., † 92 Stoke Newington.

Fleischer, F. L., orient., * 21/2 1801 Schandau, † 14/2 88. /.

Fleming, 1] Paul, lyrical /, * 13/10 1609 Hartenstein, † 2/4 40. 2] Geo., veterin. & travlr., * 1833 Glasgow. /. 3] Sandford, civ. ⊙, * 1827 Kirkcaldy; survd. N. Pacif. Ry. /.

4] Patrick, Ir. biog. /, * 1599, † 1631.

Flemish School of ⊙. Early masters: Van Eyck, Memling, Weyden, Matsys, Mabuse, More. Late masters: Rubens, Vandyck, Snyders, Jordaens, G. de Crayer, Teniers junior 15th–17th cents.

Flemming, Rich., †, * Crofton *ca.* 1370; bishop of Lincoln 1420, fndr. of Lincoln Coll., Oxon, † 31.

Fletcher, 1] And., of Saltoun, Scot. polit., * 1653, † 1716. /. 2] Giles, Eng. poet. /, * 1584, † 1623. 3] His bro., Phineas, poet /, * 1582, † 1665. "Purple Island." 4] John, ⊙ /, * 1576; educ. at Camb., † 1625 London; wrote *ca.* 38 ⊙s w. F. Beaumont, & *ca.* 14 alone. 5] His f., Rich., †, * *ca.* 1525; bp. 89 Bristol, 92 Worcester, 94 London, † 96.

Fleur de Lis, Fr. = flower of lily; in herald., nation. emblem of monarchical France till 1789.

Fleurus, ⊙ Belg.; ✕s, 29/8 1622, 1/7 1690, 26/6 1794, 16/5 1814.

Fleury, 1] And. Herc. de, Fr. statesm. & †, * 22/6 1653 Lodève; bp. of Frejus, Card. 1726, † 23/1 43 Paris. 2] Claude, Fr. †, prior of Argenteuil, * 1640 Paris, † 1723; ✱ /. 3] E. F., French genl., * 23/12 1815 Paris; † 11/12 84.

Flexor Muscles, anat., any muscles wh. prod. bending of joints.

Fliedner, T., †, * 21/1 1800 Epstein, † 4/10 64.

Flinders, Matt., Eng. navig., * 1774 Donington; to Australia 95, † 19/7 1814 London. /.

Flinders' Land, old name of S. Australia.

Flint, marit. co. of N. Wales; 264 s.m., 81,000 inh.; rets. 1 M.P. Chf. ⊙, F., on Dee; 5,200 inh.; w. other Flint Boro's rets. 1 M.P.

Flint, 1] Robt., †, * 1837 Dumfries; prof. of moral ∴ St. Andrew's 64, prof. of † Edinburgh 76. /.
2] Austin, ♁, * 20/10 1812 Petersham, Mass. † 13/3 86. /. **3]** His s., Austin, physiol., * Northampton, Mass., 28/3 36. /.
4] Tim., Amer. † & /, * 1780, † 1840.

Flint, ◆, a crypto-crystal. var. of quartz, usually brown; silica.

Flint Glass, spec. of glass manfd. of white sand 52, carbonate of potash 14, oxide of lead 33, alumina 1, with metal. additions for colour; ancntly. made of powdered flints: used for lenses & cutting.

Flint Implements, weapons of earliest known inhabs. of earth; fnd. in caves & alluvial deposits; oldest unpolished; sim. weapons still used by savs. in Polynesia.

Flint Jack, nickname of Edw. Simpson, of Whitby, who forged flint implements; imprisd. 1867.

Flodden, villg. of Northumberland; ⚔ 9/9 1513, James IV. of Scot. defeated by Earl of Surrey.

Flood, 1] Henry, Irish orator & patr., * 1732; M.P. 59 in Ireland, 83 in Eng., † 91. **2]** v. Fludd.

Floquet, C. T., French polit., * 1828; Deputy 76, President of Chamber 85, of Council 1/4 88.

Flora, 1] Rom. myth., goddess of flowers: her annual fest., *Floralia*, 28/4–1/5. **2]** In ♣, the whole body of plants of a district. **3]** ♃, planet betw. orbits of Mars & Jupiter; disc. by Hind 18/10 1847.

Floréal, month of Fr. revolutionary calendar, 20/4–19/5.

Florence, Firenze, chief ⊙ of Ital., prov. of Firenze, & formerly of Tuscany, on Arno; univ., cathed. 13th cent.; 180,000 inh.

Florence, English gold coin of Edward III. = 6s.

Florence of Worcester, Eng. chronicler, † 1118.

Florentine Experiment, 1661, showed non-compress. of water.

Flores, 1] Dutch island of E. Archip., betw. Java & Timor, 230 × 30 m.; ▲ous; *ca.* 100,000 inhabs. **2]** The most W. of the Azores.

Florestan, prince of Monaco, * 10/10 1785, † 20/6 1856.

Florian, J. P. C. de, Fr. fab. & rom. /, * 6/3 1755, † 13/9 94 Sceaux.

Florida, the most S. of the U.S.A.; adm. to Union 1845, seced. 60, re-adm. 65; 60,000 s.m., 270,000 inh. Chf. ⊙, Tallahassee. Bought from Spain 1819.

Florida Keys, or F. Reefs, grp. of isles at mth. of G. of Mexico. Chief ⊙, Key West; ⚓ arsenal.

Florin, orignlly. Florentine or Florence (*q.v.*), coin first made in Florence 13th cent. Now = (Germany) 1s. 11d., (Spain) 4s. 4d., (Holland, "gulden") 1s. 8d., (Grt. Brit.) 2s. Brit. F., introd. 1849, weighs 174·6 grs. "Godless F.," florin of 1849 w. F.D. omitted.

Florus, Jul., Rom. ✍ /, 2 cent.

Flotow, Fried. v., ♪, * 27/4 1812 Rentendorf, † 23/1 83. *Stradella* 44, *Martha* 47, &c.

Flotsam, ⚓, goods fnd. floating; bel. to Crown in abs. of lawf. owner.

Flounder, ichth., *platessa flesus*. Also called Fluke.

Flour-beetle, entom., *tenebrio molitor*.

Flourens, 1] M. J. P., anat. & physiol., * 1794 Maureilhan; Depty. 37, † 6/12 67. /. **2]** His s., Gustave, / & polit., * 1838; Fr. For. Min. 87.

Flower, W. H., ♁ & zool., * 1831 Stratford-on-Avon; supt. of nat. hist. collections at British Museum 84. /.

Flower, ♣, a developed terminal bud inclosing organs of reprod. by seed; incl. calyx, corolla, stamens, & pistil, last 2 being the only essential parts. For parts of F. ↑ BOTANY (*plate*).

Floyer, Sir J., ♁ /, * 1649, † 1734.

F.L.S., Fell. of Linnæan (♃) Soc.

Fludd, Flood, or De Fluctibus, Robt., Eng. mystic. ✓, * 1574 Milgate, † 1637.

Flüe, Nich. v. der, Swiss hermit, * 1417, † 21/5 87; beatifd. 1669.

& assume shape of vessel in wh. they are placed; either *compressible*, as gases, or *incompressible*, as liquids: exert equal pressure in all directions.

Fluke, 1] or F.-worm, an entozoon, *distoma hepaticum*; in gall-bladders & ducts of sheep, &c.; prod. disease called rot. 2] A flounder.

Fluorescence, appearance of colrd. luminosity on the surf., as in fluor-spar. Actn. of light on cert. substs., causing them to emit light of diff. colour from that wh. falls on them; discd. by Stokes 1852.

Fluor-spar, or Fluorite, ♁, a transparnt. brittle min.; many-colrd.: compsd. of fluorine 48·7, calcium 51·3; phosphresc. when heatd.

Flushing, Vlissingen, Dut. ⚓ ⊙ & ♁, on Isle of Walcheren, at mth. of Scheldt; held by Eng. 16th cent., taken by Eng. 1809; 12,000 inh.

Flute, ♪, wind instr., played fm. hole on one side, as in German F. & fife, or by reed mouthp., as in flageolet: usually has compass of 3 octvs., w. 6 finger-holes & 14 keys; very ancient.

Flux, in metallurgy, that which promotes fusion & formatn. of slag; substances such as silica & lime. Black F., potassium carbonate & carbon of cream of tartar. White F., sodium & potassium carbonates.

Fluxions, in math., essent. the same as the differential calculus; discovered by Newton 1665.

Fly, zool., 1] gen. *musca* & esp. *M. domestica*, house-fly. 2] Fam. *muscidæ*. 3] Ord. *diptera*.

Fly-catcher, ornith., the gen. *muscicapa*; 2 British varieties.

Fly-orchis, ♃, *ophrys muscifera*.

Flygare-Carlén, Emilie, *née* Schmidt, Swed. rom. ✓, * 8/8 1807 Stromstad.

Flying Dutchman, myth. spectral ship off Cape of Good Hope.

Flying Fish, ichth., *exocœtus volitans*, or *E. exiliens*; Mediterr. Any fish which can make a protracted leap from the water.

Flying Fox, zool., a bat, *pteropus rubricollis*, of East Indies.

Flying Gurnard, ichth., *dactylopterus volitans* of Mediterr., or *D. orientalis* of Eastern seas.

Flying Lemur, zool., the gen. *galeopithecus* of Sumatra, &c.

Flying Lizard, zool., name of various species of genus *draco*.

Flying Squirrel, zoology, any squirrel w. extended skin betw. fore & hind legs; esp. *sciuopterus volans*.

Fo, Chinese name of Buddha.

F.O.B. = free on board.

Focus, point at wh. sev. rays of light or heat are concentd. One of points about wh. ellipse is drawn.

Fœtus, the developing young in the womb or the egg.

Fog, condensation of vapour suspended in air into min. drops of water, wh. collect around the soot produced by combustion.

Foggo, 1] James, ♛ ♁, * 1790 London, † 1860; worked from 19 w. his brother 2] Geo., * 1793, † 1869.

Foil, thin metal. leaf; amalgam at back of looking-glass.

Folengo, Theophilus ("Merlin Coccajo"), poet. ✓, * 1491, † 1544. His brother Nicodemus, also poet. ✓.

Foley, 1] John Hy., ♎, * 24/5 1818 Dublin; R.A. 58, † 27/8 74 Hampstead. 2] Sir Thos., Brit. ⚓ officer, * 1757; captain 90, at ✕ of Nile, rear-adml. 1808, † 33 Portsmouth. 3] Paul, * ca. 1630; Spkr. of House of Commons 95.

Folio, of size of half-sheet of paper; compsd. of shts. folded once.

Folkes, Martin, ♆ & math., * 1690 London; presdt. of Roy. Soc. 1741, of Soc. of Antiqs. 50, † 54. ✓.

Folkething, popular chambr. of Danish Parliament.

Folkmote, name of Ang.-Saxon Parliament.

Folkungs, Swed. royal dynasty 1251–1363.

Follett, Sir W. Webb, ♃, * 1798; Sol.-Genl. 34–35, 41–44, Att.-Genl. 44, † 45.

Follicle, anat., a minute secreting bag; a gland. In ♃, a one-celled, one-valved fruit.

Foltz, P. v., ♛ ⊕, * 11/5 1805 Bingen, † 5/8 77 Munich.

Fonblanque, Albany W., journ. ✓, * 1793; ed. *Examiner* 1830–47, Statist. Sec. to B. of Trade, † 18/10 72.

Fons et origo, Lat. = source & origin; primal cause.

Fontaine, Pierre F. L., Fr. △, * 1762 Pontoise, † 1853. ✓.

Fontainebleau, ⊙ Seine-et-Marne, Fr.; palace 11th cent., forest; 12,000 inh.; abdic. of Nap. I. 11 4 1814.

Fontana, Dom., △, * 1543 Mili, † 1607; built Vatican Library, &c.

Fontane, Theod., ♛ & poet. ✓, * 30/12 1819 Neuruppin.

Fontanes, Louis, marq. de, Fr. statesm. & ✓, * 1757 Niort, † 1821.

Fontanges, Mar., duchesse de, mstr. of Lou. XIV., * 1661, † 28/6 81.

Fontenay, Teresa, march. of, dau. of Ct. de Cabarrus, * 1773; m. Tallien, divcd.; m. 1805 Caraman, Prince de Chimay, † 35.

Fontenelle, Bern. le B. de, Fr. poet., ☉, & misc. ✓, * 11/2 1657 Rouen; sec. of Acad. of Sc. 1699–1741, † 9/1 57 Paris.

Fontenay, Fr. villg.; ⚔ 25/6 841.

Fontenoy, villg., Belg.; ⚔ 11 5 1745, Fr. deft. Brit., &c.; 1,100 inh.

Fontevraud, Monks of, branch of Benedict. und. fem. govt.; fnded. 12th century by Robert d'Abrissel.

Fonvielle, Wilfrid, Fr. aeron. & sc. ✓, * 1828 Paris.

Foo-chow, v. Fuh-chow.

Food. Most essential elements in F.s are: *proteids*, *e.g.*, albumen, fibrin, gluten, which cont. carbon, hydrogen, oxygen, & nitrogen, with some phosphorus & sulphur; *fats*, wh. cont. carb., hydrog., & oxyg.; *amyloids*, *e.g.*, starch, sugar, gum, wh. cont. carb., hydrog., & oxyg.; & *minerals*, *e.g.*, water & certain metal. salts. Average man needs 300 grs. nitrog. & 4,000 grs. carb. a day; can get this from 2 lbs. bread & ¾ lb. meat. Animal F. consists chiefly of proteids, fats, water; veget. F., chfly. of amyloids & watr.

Fools, Feast of, fest. of Middle Ages in honour of Christ's entry to Jerusalem; 1/1.

Foolscap, a size of paper named from the water-mark.

Fool's Parsley, ♃, the umbell. genus *æthusa*, esp. *Æ. cynapium*; poisonous: also called F.'s Cicely.

Foot, Eng. measure of length = 12 in. French F. = 13·124 in., or 12·7896 in. In poet. ✓, a meas. of two, three, or four sylls.; *e.g.*, ∪ ∪ – (anapæst), – – (spondee).

Foot-&-Mouth Disease, contagious disease affecting feet & mouths of cattle, & accompand. by fever; raged in Eng. 1869, 70, 71, 75.

Foot Pound, ⊕, unit of energy; 1 pound avoird. raised 1 foot.

Foote, Sam., com. ☉ ✓ & ☾, * ca. 1720 Truro; joined stage 44, † 21/10 77 Dover.

Footman, entom., the moth family *lithosidæ*; 7 species in Brit.

Forbach, ⊙ Germ. Lorraine; ⚔ 6/8 1870; 7,200 inh.

Forbes, 1] Archibald, journalist & spec. corr., * 1838 Morayshire; to France 70, to Spain, to India 74, to Sp., to Ind. 75, to Turkey 76, to Cyprus 77, to Afghan., to Zulu., &c. 2] Edward, ♃ & zool., * 1815 Douglas; † 54. ✓. 3] Jas. Dav., physicist, * 1809 Edinburgh; prof. of nat. ♃ there 33–59, Princ. of St. Andrew's 59, † 68. 4] Sir J., ♗, * 1787 Cuttlebrae, † 1861. ✓. 5] Alex., 4th Ld. F. of Pitaligo, * 1678; joind. Pretender 1715, 1745; in Norw. till 49, † 62. ✓. 6] Duncan, Scot. ♃, * 1685 Culloden; Ld. Presdt. of Ct. of Sess. 1737, † 47. ✓. 7] James, Ind. civilian & travlr., * 1749, † 1819. ✓. 8] Patrick, bp. of Aberdeen, * 1564, † 1635. 9] Wm., 1st bp. of Edinburgh, * 1585, † 1634.

Forbes Mackenzie Act, 16 & 17 Vict., cap. 67 (1853); regulates public-houses in Scotland.

Forbidden Fruit, ❦, 1] var. of shaddock, *citrus decumana.* 2] Sweet-skinned orange, *C. aurantium.* 3] Var. of lime, *C. limetta.*

Forchhammer, 1] J. G., ⊕, • 26/7 1794 Husum; prof. at Copenhagen, † 14/12 1865. ✓. 2] P. W., ♆, • 23/10 1803 Husum; prof. at Kiel 37. ✓.

Forckenbeck, Max v., statesman, • 21/10 1821; burgomaster of Berlin 78.

Ford, 1] John, ☉ ✓, • 1586 Ilsington, † ca. 1640. *The Broken Heart.* 2] Patrick, Irish-Amer journ. ✓ & agitator, • 1837 Galway; to Amer. 45, founded *Irish World* 69. 3] Sir Jn., ⊕, • 1605; invt. machine for supp. water to London 56, † 70. 4] Richard, travlr. & Sp. schol., • 1789 London, † 1858. ✓.

Fordun, John de, † 1386. ✓.

Fordyce, 1] David, ♃, • 1711 Aberdeen, † 51. 2] His b., James, ✝, • 1720, † 96 Bath. ✓. 3] His b., Sir W., ♃, • 1724, † 92. 4] Geo., ♃ & ✓, • 1736 nr. Aberdeen, † 1802. ✓.

Forecastle, ⚓, part of deck forward of foremast.

Foreclosure, ⚖, cutting off from a mortgagor his equity of redemption of a mortgaged property.

Foreign Enlistment Act, 1819, forbd. Brit. subj. to serve for. States witht. roy. lence.; amend. 70.

Foreshore, land between high & low watermarks.

Forester, Frank, pseud. of Hy. Wm. Herbert, sprtg. ✓, • 1807, † 58.

Forest Fly, entom., *hippobosca equina,* parasite of the horse.

Forest Oak, ❦, a species of *casuarina* of Australia.

Forey, L. Élie F., Fr. marshal, • 10/6 1804 Paris; commanded in Mexico 62, † 20/6 72 Paris.

Forfar, or Angus, marit. co. of E. Scotland; 890 s.m., 270,000 inh.; rets. 1 M.P. Chf. ⊙, F.; 13,000 inh.; rets., w. Montrose Burghs, 1 M.P.

Forget-me-not, ❦, *myosotis palustris,* creeping water-scorpion-grass; or *myosotis arvensis, veronica chamædrys, ajuga chamæpitys.*

Forkel, J. N., ♥ ✓, • 22/2 1749 Meeder, † 17/3 1818 Göttingen.

Forlì, Melozzo da, ⊕, • 1440 Forlì, † after 94.

Forma pauperis, In, Lat. = as a pauper. In ⚖, one who has not £5 may thus sue, without usual fees.

Forme, in typog., sheet of type ready for printing.

Formes, 1] K. J., ☉ singer (bass), • 7/8 1810 Mühlheim, † 84 New York. 2] His b., Theod., tenr., • 24/6 1826 Mühlheim, † 15/10 74 Endenich. 3] Ern., s. of 1, com., • 30/4 1841 Mühlheim.

Formic Acid, ⚗, $HCHO_2$, colourless liq. in bods. of ants & cert. caterpillars, & in nettles. Also prep. artif. Pungent, poisn. of sting.

Formosa, or Thai-Wan, island, 240 × 70 m., separd. from China by Strait of Tokien; ca. 2,000,000 inh. Chf. ⊙, Thaiwanfu. Partly occupd. by Fr. 1884–5.

Formulæ, prescribed forms. In † ♛, F. of Concord, 1580, set forth diffs. betw. Luths. & Calvins.

Fornarina, La, mistr. of Raphael.

Forrest, 1] John, traveller, • 1847 Bunbury; explrd. W. Austral. 2] Edw., Amer. trag. ☉, • 9/3 1806 Philadelphia; joined stage 20, to Eur. 34, 37, 44, † 12/2 72. 3] Thos., Asiat. traveller, • ca. 1740, † 1801. ✓.

Forrester, 1] Alf. Hy. ("Alfred Crowquill"), misc. ✓ & com. artist, • 1804, † 26/5 72. 2] His b., Charles Robt., ✓, • 1802, † 50. 3] Fanny, pseud. of Mrs. Adoniram Judson, *née* Emily Chubbuck, Amer. ✓, • 1817, † 54. 4] Gilbert, pseud. of Henry Braddon, sporting ✓.

Förstemann, E. W., philol., • 18/9 1822 Dantzig. ✓.

Forster, 1] John, ♛, biog., & polit. ✓, • 2/4 1812 Newcastle-on-Tyne; ed. *Examiner* 47–56, commsr. in lunacy 61, † 1/2 76. "Life of Goldsmith" 48, 54, "Life of

Dickens" 71–74. 2] J. Reinh., travlr. & zool., * 22/10 1729 Dirchau, † 9/12 98 Halle. /. 3] His s., Geo., travlr. & zool., * 26/11 1754 Nassenhuben, † 11/1 94 Paris. /. 4] Wm. Edw., statesm., * 11/7 1818 Bradpole; M.P. 61, Und. Sec. for Cols. 65–66, Vice-P. of Com. of Counc. on Educ. 68–74, Sec. for Ir. 80–82, † 5/4 86. 5] Nath., † & class. schol., * 1717, † 57. 6] Thos., ✍, ♪, Ψ, & poet. /, * 1789 London, † 1860 Brussels.

Förster, 1] Fried., ✍ /, * 24/9 1791 Münchengosserstadt, † 8/11 1868 Berlin. 2] Ern., art. /, * 8/4 1800 Münchengosserstadt.

3] Aug., com. ☉, * 3/6 1828 Lauchstädt.

Forsyth, 1] Sir Thos. Douglas, Ang.-Ind. statesm., * 1827 Liverpl.; dept. commissnr. in Panjab 52–56, C.B. 58, missions to Yarkand 70 & 73, K.C.S.I. 74, member of Legisl. Counc. of Ind., envoy to Burmah 75, † 86. /. 2] Wm., misc. /, * 1812.

Fort William, original English settlemt. of Calcutta, fnded. 1698. Also a vill. in Inverness, Scot.

Forte, It. = strong; in ♪, loud (*f*). *Fortissimo* (*ff*), very loud.

Forteguerra, Nic., rom. & com. /, * 7/11 1674 Pistoja, † 7/2 1735.

Fortescue, 1] Sir John, ⚖ & /, * 1395, † 1485. 2] F.-Aland, John, Lord, ⚖, * 1670, Bar. of Exchequ., Chf. Just. of C. Pleas, † 1746 3] Hugh F., 3rd earl, * 4/4 1818; suc. 61, Ld. of Treas. 46–47.

Fortin, Turk. meas. = 31 gals.

Fortiter, Lat. = strongly. *Suaviter in modo, f. in re* = gentle in manner, firm in the thing itself.

Fortnightly Review, monthly period., origlly. bi-monthly, establ. 1865. Ed. by G. H. Lewes 65–67, J. Morley 67–82, T. H. S. Escott 82–86, J. Harris 86.

Fortuna, Rom. myth., goddess of fortune (Grk. Tyche).

Fortunate Islands, Canaries

Fortunatus, hero of 16th cent. fable, wh. had inexhaustible purse.

Fortune, Robt., ✍, * 1813 Scot.; to China & Japan, † 80.

Fortuny, C. Mariano, ●, * 11/6 1839 Reus, † 21/11 74 Rome.

Forum, Rom. Ψ, a publ. place, esp. one in wh. just. was adm.; law-court; place for discussion.

Forwood, Arthur B., * 1836; Mayor of Liverpool 77–78, M.P. 86, Sec. to Admiralty 86.

Forzando, ♯, direction for notes to be boldly struck & continued; marked by *sf.* or ⟶.

Foshroke, T. Dudley, Ψ, * 1770 London; curate of Walford 1810–30, vicar 30, † 42. "Encyclp. of Antiqs."

Foscari, 1] Francesco, Doge of Ven. 1423–57. 2] His s. Giacopo; tried by his f. for treas., tortd. & banshd.

Foscolo, Ugo, It. /, patriot, & polit., * 26/1 1778 near Zante, † 14/9 1827 Turnham Green; body remvd. to Florence 71.

Fossils, partially mineralised remains of anima. & vegeta. of formr. ages. Oldest known is *eozoon canadense* of lowr. Laurent. limestone.

Foster, 1] John, /, * 1770 Hebden Bridge, † 1843 Stapleton. "Essays" 03. 2] Stephen C., Amer. song /, * 1826, † 64. 3] Birket, ● & artist, * 1812 South Shields.

4] Sir Michael, ⚖, * 1689 Marlboro'; Just. of K. Bench 1745, † 63.

Fothergill, John, ♪ & ✍, * 1712 Carr End, † 80 London. /.

Fotheringay, villg. Northamptonsh. In castle Richard III. * 1450, Mary Q. of Scots tried 14/10 1586, exec. 8/2 1587: demold. 1604.

Foucault, J. Bern. Léon, nat. ⚙, * 18/9 1819 Paris, † there 11/2 68.

Foucault's Pendulum, renders visible diurnal motion of earth.

Fouché, Jos., Fr. revol. & polit., * 29/5 1763 nr. Nantes; duke of Otranto 1809, Min. of Police, ambass. to Sax. after 1815, † 25/12 20 Trieste.

Foujdar, Hindustani = judge, magistrate.

Fould, Achille, Fr. financier, *

31/10 1800; Min. of Fin. 49–52, 62–67, † 5/10 67.

Foundling Hospital, asylum for deserted chldrn. F. H., Lond., founded 1756 by Coram.

Fouqué, Fried. H. Karl, Bar. de la Motte-, Germ.rom., poet., & ✆ /, * 12/2 1777 Brandenburg-on-Havel, † 23/1 1843 Berlin. "Undine."

Fouquier-Tinville, Ant. Quentin, French revol., * 1747, exec. 93.

Fourcroy, Ant. F. de, ?, * 15/6 1755 Paris, † there 16/12 1809; reformed syst. of wgts. & meas.

Fourier, 1] Franç. C. M., French socialist /, * 7/4 1772 Besançon, † 8/10 1837 Paris. 2] J. B. J., Baron, Fr. math., * 1768 Auxerre, † 1830.

Fourierism, the social. syst. of Fourier, who wished to div. soc. into phalansteries ea. of 1,800 individs. who should live in common.

Fourth Dimension, math. speculative theory, introd. 1829 by Lobatschewski, that our 3-d. space is only section of an ampler one.

Fourth Party, pol. party of 4 led by Lord R. Churchill in Parlt. of 1880; absorb. by Conservatives.

Fourtou, M. Fr. Osc. Bardy de, Fr. statesm., * 1836 Ribérac; memb. of Nat. Ass. 71, Min. of Int. 74, 77, Senat. 80.

Fowl, a bird; esp. of gen. *gallus*, cocks & hens; have comb, wattles, arched tail; origlly. from Ind.; many vars., *e.g.*, Cochins, Brahmas, Game, Bantams, Dorkings.

Fowler, 1] John, civ. ⊕, * 1817; constructed Metropolitan & District Rys., &c., † 11/10 88. 2] Rev. F., log., * 1832 Burton Stather; presdt. of Corpus C. Coll., Oxf., 81. 3] Sir Robt. Nich., * 1828; M.P. 68, Lord Mayor of Lond. 83, 85, bart. 85.
4] Henry H., * 1830 Sunderland; Fin. Sec. to Treas. 85.

Fox, 1] Charles James, statesm. & orator, * 24/1 1749 Westminster; M.P. 68, Lord of Adm. 70–72, Junr. Ld. of Treas. 73, Sec. of State 82; oppd. Pitt, war w. France, & slave Chiswick. 2] Geo., finder. of Soc. of Friends, * 1624 Drayton, † 91 London. /. 3] Sir Chas., civ. ⊕, * 1810 Derby; blt. Great Exhib. 51, kntd. 51, † 14/6 74. 4] His s. Sir Chas. Douglas, civil ⊕, * 1840; kntd. 86. 5] Edwd., †, * *ca.* 1480; bp. of Hereford 1535, † 38 London. 6] Luke, Brit. navig., * 1585; explrd. Hudson's Bay, † 1635. 7] Rich., polit. & †, * 1466 Ropesley; bp. of Exeter, Bath, Durham, Winchester; fnded. Corpus C. Coll., Oxf.; 1516, † 28. 8] W. Johnson, crit. & polit. / & orator, * 1786 Wrentham, † 3/6 1864 London.

Fox, zool., *vulpes vulgaris* (*canis vulpes*), Eur., As., N. Afr.; or the gen. *vulpes*, *e.g.*, Amer. red-fox, *canis fulvus*; Arct. fox, *vulpes lagopus*.

Fox's-foot, ✿, a grass, *dactylis glomerata*.

Fox-shark, ichth., *alopias vulpes*, or thresher; with rough tail.

Fox-tail Grass, ✿, *alopecurus pratensis*.

Foxe, John, Prot. ✍ /, * 1517 Boston; published "Acts & Monuments" (Bk. of Martyrs) 63, vicar of St. Giles, Cripplegate, † 87 Lond.

Foxglove, ✿, the gen. *digitalis*, especially *D. purpurea*.

Foyer, 1] loung.-rm. of a theatr. 2] Crucible or basin in a furnace.

Fra, Ital. = brother.

Fra Diavolo (Michele Pozza), Neap. brig. chf., * 1760, exec. 1800.

Fraas, 1] K. N., ✓ /, * 3/9 1810 † 9/9 75 nr. Munich. 2] Oscar, ⊕, * 17/1 1824 Lorch. /.

Fractions, arith., broken numbers. A F. is an expression of pt. of a whole number or numbs. A vulgar F. expresses a given number of any divisional pts., & is written as, *e.g.*, ½ = one-half, the lower fig. being the denominator & the upper the numerator. A decimal F. expresses a given numb. of tenths, hundrths., &c., & is written as, *e.g.*, ·3 = three-tenths, or ·03 = three-hundredths.

Fracture, surg., breakage of a bone: *simple*, without external

skin; *comminuted*, when bone is in sev. pieces; *complicated*, when other bone or blood-vessel is injured.

Frähn, C. M., orient. numismat., • 1782 Rostock, † 1851. ✓.

Franc, Fr. silv. coin; wt. 77·2 grs. = *ca.* 9½d. Eng. Same in Belg. & Switz. = 100 centimes = 20 sous. Same value as It. *lira*, Sp. *peseta*, Roum. *lei*, Serv. *dinar*, Gk. *drachma*.

Francatelli, Ch. Elme, cook & ✓, • 1805, † 10/8 76.

France, repub. of W. Cent. Europe; 204,090 s.m., 37,700,000 inh. ⛰*s:* Pyrenees, Cevennes, Côte-d'Or, Vosges, Alps, Jura, Ardennes, &c. ▲*s:* Blanc 15,781 feet, Cenis 11,460 feet, Perdu 11,283 feet, Pic Blanc 10,205 ft., Mont d'Or 6,707 ft., Puy de Dôme 4,750 ft. ⛵*s:* Adour, Garonne (Tarn, Lot, Dordogne), Charente, Loire (Allier, Cher, Vienne), Seine (Aube, Marne, Oise), Somme, Meuse, Moselle, Rhone (Saône, Isère). *Islands:* Belle Ile, Ré, Oleron, Dieu, Hyères, Corsica. *Popul.:* French, Breton, Basque, Ital., Germ., Flem. *Prod.:* wine, corn, olive, silk, fish, fruit, coal, iron. Cap. ◎, Paris. Divid. into 87 departmts.; anctly. into 34 provs. Govt., repub., und. a Presdt., Senate, & Chamb. of Depts. (law of 25/2 1875). Depts. elected by univ. suffrage, Sen. of 300 membs. electd. under law of 9/12 84; Presdt. electd. for 7 years. Reven. *ca.* £125,000,000, expnd. *ca.* £125,000,000, totl. debt *ca.* £1,380,000,000, of wh. £780,000,000 is funded. Impts. *cd.* £188,000,000, exports *ca.* £140,000,000. Army, peace 490,000, war 1,750,000, men; fleet, 52 ironclads, 296 steamers, 62 sailing-ships. Rys. 17,500 m. Telegs. 57,000 m. *Colonies:* Algeria, Tunis (protectorate), Senegambia, Assini, Grand Bassam, Kutanu, Congo (left bank), Réunion, Comoro Is., Obok, Gulf of Tajura, Pondicherry, Chandernagore, Coch. China, Cambodia (protect.), Tongking, St. Pierre, Miquelon, Martinique, Guadaloupe, Cayenne, New Caledonia, Loyalty Isles, Tahiti, Marquesas, Low Arch., Austral Isles. ♛: F. = anct. Gaul, part of Rom. Emp.; conquered by Franks; after Treaty of Verdun, Charles the Bald king; rise of ho. of Valois 1328, loss of Aquitaine 60; war w. Eng.; access. of ho. of Bourbon 1589, Hen. IV. (of Navarre), Louis XIV., annex. of Corsica; Revolut. began 17/6 1789, Bastille stormed 14/7 89, F. divid. into 83 deptmts., Repub. declrd. 25/9 92, Robespierre exec. 28/7 94, Directory, Bonaparte genl. 96, to Egypt 98, Fr. fleet destyd. at Aboukir 99, Bonaparte 1st Consul, Emp. 18/5 1804 as Napol. I., war w. Prussia & Eng., Peace of Tilsit, reorganistn. of Europe, war w. Austr., Belg. & Holl. annexed 10, war w. Russ. & Pruss. 12–13, & with Russ., Pruss., Austr., & Eng. 14; Napol. abdicd. 30/3 14, returned from Elba 3/5 14, deftd. at Waterloo; Louis XVIII., Chas. X. 16/9 24, Revolut. of July, 30; Louis Philippe, Revol. of Feb. 23/2 48; 2nd Repub., Louis Napol. Presdt., Coup-d'État 2/12 51; Napol. III. 52, war with Russ. 53–56, w. Aust., w. Germ. 70–71 (r. Franco-Germ. War), Napol. III. prisoner 2/9 70; 3rd Repub. 4/9 70, Peace of Frankfort 10/5 71, loss of Alsace & Lorraine, Communist rebell. Presdts.: A. Thiers 70–73, MacMahon 73–79, Jules Grévy 79–2/12 87, Sadi Carnot 3/12 87.

Francesca da Rimini, w. of Malatesta da R.; killed 1389 for intrigue with his step-brother Paolo.

Franche-Comté, anct. duchy of Burgundy, then prov. of Fr. Chf. ◎, Besançon. Now div. into depts. of Jura, Doubs, Haute Saône.

Franchise, privilege, espec. of voting for M.P.s. Act of 1885 fixes qualificatn. at occup. of house, or of rooms of not less than £10 yrly. val.

Francia, 1] José G. Rod., Paraguay. statesm., • *ca.* 1757 nr. Asuncion; ✓, jnd. revol. 1811, duumvir 13, dictator 14, † 40. 2] Franc. (F. Raibolini), ◎, • 1450 Bologna, † there 5/1 1517.

Francillon, Robert Edw., nov. ✓, • 1841.

Francis, 1] Sir Philip, polit. & ✓, * 1740 Dublin; memb. of Bombay Counc. 73, M.P. 84–1807, † 18; supd. author of *Junius*. 2] Phil., transl. of Horace, &c., * ca. 1700, † 1773.

Francis, 1] I., k. of Fr., * 12/9 1494; succ. 1515, deftd. by Charles V. of Germ., † 31/3 47. 2] II., k. of Fr., * 19/1 1544; succ. 59, m. Mary Q. of Scots 58, † 5/12 60. 3] I., Emp. of Germ., * 8/12 1708; Emp. 45, † 18/8 65. 4] II., Emp. of Germ., * 12/2 1768; Emp. 92, F. I. of Austr. 1805, † 2/3 35. 5] I., king of Two Sicilies, son of Ferd. I., * 20/8 1777 Naples; succ. 25, † 8/11 1830. 6] II., k. of Two Sicilies, son of Ferd. II., * 16/1 1836; succ. 59, expelled 60. 7] V., last duke of Modena, * 1/6 1819; succ. 46, expelled 59, † 20/11 75.

Francis Joseph I., Emp. of Austria, * 18/8 1830 Vienna; succ. 2/12 48, mar. 24/4 54 Elizabeth of Bavaria.

Francis of Assisi, St., * 1182 Assisi, † 4/10 1226; founded Franciscan, or Grey, Friars.

Francis of Paula, * 1416 Calabria, † 2/4 1507; fnd. ord. of Minims.

Francis of Sales, * 1567 near Annecy; bp. of Geneva 1602, † 22 Lyons. ✓.

Francis Xavier, St., * 1506 nr. Obanas, † 52; miss. in Ind. & Japan.

Franciscans, Minorites, or Grey Friars; ord. of monks fnded. 1208 by Frns. of A., oppd. Dominicns.: fnn. thm. Capuchins seced. 1525.

Francke, Aug. H., † & philanth., * 22/3 1663 Lübeck; fnded. orphanage at Halle 95, † 8/6 1727 Halle.

Franckenstein, Baron G. Arbogast v., Germ. ultram. polit., * 2/7 1825 Würzburg; Vice-president of Reichstag 79.

Francklin, Thos., † & misc. ✓, * 1721, † 84.

Franco, free; post paid.

Franco-German War, 1870–71, betw. Fr. & Pruss., Bavar., Baden, & Württ.; decid. by Fr. ⚔: 4/8 70 Wörth, 6/8 Weissenburg, 14–18/8 [illegible] Strasburg taken 27/9, Metz taken 27/10, Paris taken 28/1 71. Peace at Frankfort-on-M. 10/5; Fr. surrend. Als. & pt. of Lorr. & pd. £200,000,000.

François, Luise v., rom. & ✓, * 17/6 1817 Weissenfels.

Franconia, territ. of Franks; in 4th cent. extend. fm. Loire to Rhine & Main. In 1512, Circle of old Germ. Emp.; most of it to Bavar. 1815. Now 3 dists. of Bav.: Upp., 600,000 inh.; chf. ⊙, Baireuth. Midd., 650,000 inh.; chief ⊙, Anspach. Lower, 630,000 inh.; chf. ⊙, Würzburg.

Franc-Tireurs, French = free-shooters. Fr. irregs. in 1870–71.

Frangipani, ✿, *plumeria alba*. A scent to imitate its perf. is mnfd. from orris-root, musk, & spices.

Frank, 1] Sebast., ✍ ✓, * 1499 Donauworth, † 1542 Basle. 2] Alb. Bernh., ✓ & ✿ ✓, * 1839 Dresden; prof. at Berlin 81.

Frank, name in Levant for a W. European; *firenki*.

Frank Pledge, Old Eng. ⚖, a freeman's liability for the conduct of other members of his tithing.

Frankfort-on-Main, ⊙ prov. of Hesse-Nass., Pruss.; anct. free ⊙; cap. of Germ. Conf. till 1866; 140,000 inh. Treaty betw. Fr. & Germ. 1871. Fnded. 794 by Charlemagne, cap. ⊙ of East Franconia 843, crowning-pl. of Emps. 1711, Gd. Duchy 1810, Pruss. since 3/10 1866.

Frankfort-on-Oder, ⊙ Pruss.; univ., reund. 1811 to Breslau; 50,000 inh.

Frankincense, ✿, odorif. resin, olibanum, fr. trees of the gen. *boswellia*.

Frankl, L. Aug. v., Aust. poet. ✓, * 3/2 1810.

Frankland, Edw., ⚗, * 18/1 1825 Churchtown; researches in organic ⚗.

Franklin, 1] Benj., ⚗, statesm., & ✓, * 17/1 1706 Boston, Amer.; typog., memb. of Genl. Ass. 37–47, to Eng. 57, memb. of Cong. 75, Min. to Fr. 78, helped to frame Const. of U.S., Presdt. of Penn., † 17/4 90 [illegible]

⚓ offr. & navig., • 16/4 1786 Spilsby; at ⚔s Copenhagen & Trafalgar, in *Trent* to Arct. O. 1818, to Hudson's Bay 19, kntd. 27, Lieut.-Govr. of Tasmania 36–43, commd. *Erebus* & *Terror* to Arct. O. 45, † there 11/6 47; remains disc. by *Fox* 59. 3] His 1st w., E. A., poet. ✓, • *ca.* 1795, † 1825. 4] His 2nd w. Jane, *née* Griffen, • 4/12 1791; m. 28, † 18/7 75.

Franks, Aug. W., Eng. Ψ, • 1826; ✓, keeper of mediæv. Ψs at Brit. Museum, direct. of Soc. of Antiqs. 58.

Franks, Germ. race; divid. into Salic F., who in 3rd cent. inhabtd. Batavia, & in 5th Hennegau & Artois; & the Riparian F., of the Rhine banks. Inhabs. of Franconia (*q.v.*).

Fransecky, Ed. Fried. v., Pruss. genl., • 16/11 1807 Gedern; govr. of Berlin 80.

Franz, German = Francis (*q.v.*).

Franz, Robert, ♪, • 28/6 1815 Halle; song composer.

F.R.A.S., Fellow of 1] Roy. Astronomical Soc., 2] Roy. Asiat. Soc.

Frasco, Argentine liq. meas. = *ca.* 2 quarts.

Fraser, 1] Alex. Campbell, ✍ ✓, • 1819; prof. of log. at Edinburgh. 2] James Baillie, nov. & misc. ✓, • 1783, † 1856. 3] James, †, • 1818 Prestbury; bp. of Manchester 69, † 22/10 85.

Fraser's Magazine, issued monthly since Feb., 1830; edited by W. Allingham since 74.

Frauenstädt, Jul., ✍ ✓, • 17/4 1813 Bojanowo, † 13/1 79 Berlin.

Fraunce, Ab., Eng. poet. ✓, • *ca.* 1550, † *ca.* 1600.

Fraunhofer, Joseph v., optic., • 6/3 1787, † 7/6 1826 Munich.

Fraunhofer's Lines, cert. dark lines in solar spectrum, discd. 1802 by Wollaston, & descrd. by J. von F. Their study led to spectr. analysis.

F.R.C.P., Fellow of Royal Coll. of Physicians.

F.R.C.S., Fellow of Royal Coll. of Surgeons.

Fredegunde, w. of k. Chilperic I., enemy of Brunehilde, † 597.

Frederica, S. M. H. A. T., pcess. of Hanover & Grt. Brit., dau. of Geo. V. of Han., • 9/1 1848; m. 24/4 80 Banr. Alph. v. Pawel-Rammingen.

Frederick, 1] I. (Barbarossa), • 1121; Emp. of Germ. 52, drowned in Syria 20/6 90. 2] His grd.-s., II., • 26/12 1194; Emp. of Germ. 1215, quarrelled with Pope, † 19/12 50. 3] I. of Pruss., son of F. William, Elect. of Brandenburg, • 11/7 1657; suc. 88, procld. k. of Pruss. 18/1 1701, † 25/2 13. 4] II. ("the Great"), k. of Pruss., s. of F. Wm. I., • 24/1 1712; suc. 40, † 17/8 86; added Silesia 63, part of Poland 72, Franconia 79, to Pruss. 5] I. (F. W. L.), Grd. Duke of Baden, • 9/9 1826; Regent 52, Grd. Duke 56, m. 56 Louisa, dau. of Wm. I. of Pruss. 6] III. "the Wise"), Elect. of Sax., • 17/1 1463; suc. 85, protect. Luther, † 5/5 1525. 7] Seven ks. of Denm.: I., 1523–33; II., 1559–88; III., 1648–70; IV., 1699–1730; V., 1746–66; VI., 1808–39; VII., 1848–63. 8] I., k. of Würt., • 6/11 1754; suc. 97, Elec. 1803, k. 06, † 30/10 16. 9] K. of Swed., • 1676; suc. 1720, † 51. 10] P. of Wales, s. of Geo. II., • 1707; m. Pcss. Augusta of Saxe-Cob. 36, † 51.

Frederick Augustus, 1] I., k. of Sax., • 23/12 1750; suc. 63, † 5/5 1827. 2] II., k. of Sax., • 18/5 1797; reigned with k. Anthony 1830, alone 36, † 9/8 54.

Frederick Charles, P. of Pruss., • 20/3 1828; commd. in ⚔s 63–64, 66, & 70–71, Fld.-Marsh. 70, † 15/6 85.

Frederick William, 1] ("the Great Elector") of Brandenburg, • 16/2 1620; suc. 40, † 9/5 88. 2] I., k. of Pruss., • 25/8 1688; suc. 1713, † 31/5 40. 3] II., k. of Pruss., • 25/9 1744; suc. 86, † 16/11 97. 4] His s., III., k. of Pruss., • 3/8 1770; suc. 97, † 7/6 1840. 5] His s., IV., k. of Pruss., • 15/10 1795; suc. 1840, abdic. in fav. of regency of his bro. Wm., † mad 2/1 61. 6] F. W. N. K., • 18/10 1831; s. of Emp. Wm. I., commd. in ⚔s 66 & 70–71, m. 25/1 50 Pcess. Vict. of Eng., fld.-marsh. 70,

suc. as K. of Pruss. & Emp. Germ. 9/3 88, † 15/6 88. 7] Dk. of Brunswick, * 9/10 1771; suc. 1806, fled to Eng., retd. 13, † at ⚔ Quatre Bras 16/6 15.

Frederick d'Or, until 1874 Prussian coin = *ca.* 16s. 6d.

Fredman, pseud. of K. M. Bellman.

Fredro, 1] Alex., Ct. of, finder. of nat. Polish com., * 1793 Premysl, † 16/11 1876 Lemberg. 2] His son, Alex., com. ○ /, * 1829 Lemberg.

Free Bench, ⚖, the widow's right to a copyhold.

Free Church of Scot., a secess. 1843 from Presbyt. Church.

Free Cities, sovereign cities of Germ., & membs. of Germ. Confed.; now only 3: Hamburg, Lübeck, Bremen (q.v.), but anctly. 51.

Freehold, in ⚖, of land, estate owing no duty or service to any lord but the king.

Free Trade, advocd. by Adam Smith 1776. Corn Laws abold. in Brit. 1846, & F. T. adopted in following years.

Freeman, Edw. Aug., ✍ /, 1823 Harborne.

Freemasonry, organisation of the Soc. of Free & Acptd. Masons; friendly secret soc., with lodges in all parts of world, but prohibited by Pope, & in Aust., Sp., & Russ. Modern F. founded in Eng. 1717. F.masons excommunicated 1738.

Freer, Martha W., ✍ & biog. /, * 25/10 1822.

Freesoilers, polit. party in U.S.A. wh. demand. land for every citizen.

Freestone, any stone that can be freely cut: Portland stone.

Freezing, solidif. of a liq. at low temp. Water genlly. freezes at 32° (0° in Réaumur & Centigrade), but if kept still may be cooled to lower temp. without F. When it freezes, temp. rises to 32°. Water expands in freezing.

Freezing Mixtures. 1] Snow 2 pts., salt 1 pt. 2] Muriatic acid & cryst. sulphate of sodium. 3] Snow 3 pts., cryst. chloride of calcium 4 pts. = 58° below zero. 4] Solidified carbonic-acid gas, liquefied nitrous oxide, ether.

Freiburg, or Fribourg, canton of Switz.; 644 s.m., 116,000 inh. Cap. ⊙, F.; bpric.; 11,000 inh.

Freidank, author of didactic poem, "Bescheidenheit," *ca.* 1229.

Freiligrath, F., poet. /, * 17/6 1810 Detmold, † 18/3 76 Cannstatt.

Frelinghuysen, F. T., Amer. statesm., * 1817 Milltown; Senat. 66–69, 71–77, Sec. of State 81–85, † 20/5 85.

Fremont, John C., Amer. genl. & explor., * 21/1 1813 Savannah; to Rocky ⛰ 41, 43, 45, govr. of Calif., cand. for Presdt. 56.

French, Nich. Irish R. C. † & polit. /, * 1604 Wexford; bp. of Ferns, † 78 Ghent.

French Lang. & Lit., lang. of Lat. orig., w. Celt. & Germ. admixt. Lit. may be divd. into 6 periods: (1) 12th & 13th cents., Provençal troubadour lyrics, N. Frankish didactic poems of Trouvères, &c. (2) 14th & 15th cents., amalg. of north & south lits., pop. plays. (3) 1515–1643, study of class. lit. (4) Fr. class. period 1643–1715, imit. of antique, Molière. (5) ∴ epoch 1715–89. (6) Romantic.

French Bean, ❀, *phaseolus vulgaris*.

French Chalk, ◆, a var. of mica, easily powdered.

French Honeysuckle, ❀, *hedysarum coronarium*.

French Marigold, ❀, *tagetes patula*.

French Polish, solut. of shellac in alcohol; varnish for wood.

French Revolutionary Calendar, adopt. 22/9 1793. The mos. were Vendémiaire, Brumaire, Frimaire, Nivôse, Pluviôse, Ventôse, Germinal, Floréal, Prairial, Messidor, Thermidor, Fructidor.

Freneau, Phil., Amer. poet. & satir. /, * 1752 New York, † 1832.

Frenzel, Karl, ✍ & misc. /, * 6/12 1827 Berlin.

Freppel, C. E., †, * 1/6 1827 Alsace; prof. at Paris 54, bp. of Angers 70. /.

Frere, 1] John Hookham, Eng. diplom. & misc. /, * 1769, † 1846. 2] His neph., Sir Hy. Bartle, Brit. statesm., * 29/3 1815; in E. Ind. Co.'s serv. 33, Chf. Com. of Scinde 50, gov. of Bombay 62–67, memb. Ind. Coun. 67–77, to Zanzib. 72, to Ind. 75–76, gov. of Cape 77–80, † 29/5 84. /.

Frère-Orban, Hub. J., statesm., * 24/4 1812 Liége; Belg. Min. of Fin. 47–52, 57, 61, Prem., leader of Lib. party 68–71, 78.

Frerichs, Fried. Theod., ✠, * 24/3 1819 Aurich; professor at Berlin 59. /.

Fresco, method of ⊕ in water colours on wall or fresh plaster

Fresenius, K. Remig., ⚗, * 28/12 1818 Frankfort-on-M.; made many analyt. discovs. /.

Freshwater Shrimp, *gammarus pulex*, shrimp-like crustacean common in every stream.

Fresnel, Aug. J., ☄ optic., * 10/5 1788 Broglie, † 14/7 1827 near Paris

Freya, Scand. myth., goddess of love; w. of Odin & moth. of Jord.

Freycinet, 1] C. Louis de, statesm., * 1828 Foix; ⊕, assistd. Gambetta 70, Min. 77, Premier 79–80, 82, For. Min. 85–86, of War 1/4 88. 2] L. C. de S. de, Fr. navig., * 1779; explored Austral. coast 1800–05, S. Amer. 17, † 42.

Freytag, 1] Gust., journ., ☾. & romance /, * 13/7 1816 Kreuzburg. 2] Geo. W. F., Arabic lexicog., * 1788, † 1861.

Friar, memb. of one of mendicant orders of R. Cath. Ch.; *e.g.*, of Dominicans, Carmelites.

Friar Bird, ornith., a honey-eater of Australia; *tropidorhynchus corniculatus*.

Friar's Balsam, pharm., tincture of benzoin.

F.R.G.S., Fellow of Royal Geographical Society.

Friday, Freya's or Frigga's Day. Good F. is F. before Easter Day. F. is the Mahommedan Sabbath.

Frieb-Blumauer, Minona, ☾, * 11/5 1816 Stuttgart, † 86.

Friedberg, 1] H., Prussian statesman, * 1818; Min. of Justice 79. 2] Em. A., †, ✠, & /, * 22/12 1837; professor at Leipzig 69.

Friedenthal, K. Rud., Prussian statesman, * 15/9 1827 Breslau; Min. of ✓ 74–79.

Friedland, ⊙ E. Prussia, on Alle; 3,500 inh.: ⚔ 13–14/6 1807.

Friedländer, Lud., Ψ, * 24/7 1824 Konigsberg; professor there 56. /.

Friedmann, 1] Siegw., ☾, * 25/4 1842 Pesth; joined stage 63. 2] Alf., poetical & ☾ /, * 26/10 1845 Frankfort-on-Main.

Friedrich, German=Frederick.

Friedrich, 1] F., rom. /, * 2/5 1828 Grosswahlberg. 2] J., Rom. Cath. †, leader of Old Caths., * 1836 Poxdorf; prof. at Munich 65, excommd. 71.

Friedrichshall, bitter aperient spring in Saxe-Meiningen.

Friendly Islands, or Tongas, group of *ca.* 120 in S. Pacif., 250 m. E. of Fiji; 385 s.m., 25,000 inh.; named by Cook 1773. Chief isle, Tonga Tabu; cap. ⊙, Nucualofa.

Friendly Societies, socs. for mut. aid in cases of old age, sickness, or death; gov. in Brit. by Acts of 18 & 19 Vict., cap. 63, which were amended in 1858, 66, 75, 76.

Friends, Society of, *v.* Quakers.

Friends of Peace, soc. formed by Cobden, Burritt, &c.

Fries, 1] Jac. F., ☄, * 23/8 1773 Barby; prof. at Heidelberg 1805, at Jena 17, † there 10/8 43. 2] Elias M., Swed. ✠, * 1794, † 1878. /.

Friesland, 1] West, marit. prov. of N. Holland; 1,282 s.m., 352,000 inh. Chief ⊙, Leeuwarden. 2] East, anct. prov. of Hanover, now Prussian district of Aurich.

Frigate, ⚓, 1] vessel betw. sloop or brig & ship of the line, with 30–50 guns on main-deck, qr.-deck, &

forecastle. 2] A war-ship with upper flush-deck & one covd. gun-d.

Frigate Bird, or Man-of-War Bird, ornith., the genus *tachypetes.*

Frigid Zones, ⊙, the zones within the Arctic & Antarctic circles, 23° 28′ from the Poles.

Frill-lizard, zool., the Austral. *chlamydosaurus.*

Frimaire, month of Fr. revol. calendar, 22/11–21/12.

Frischlin, Nicod., philol. & poet. ✓, • 22/9 1547 Erzing, † 30/11 90.

Frisians, a Low German tribe; had settlements on Firth of Forth.

Friswell, J. Hain, misc. ✓, • 1827 Newport, † 12/8 78. "Gentle Life."

Frith, Wm. Powell, ⊕, • 1819 Studley; A.R.A. 46, R.A. 52; "Ramsgate Sands" 54, "Derby Day" 58, "C. Duval" 60, "Railway Statn." 62.

Frithiof's Saga, anct. *saga* of hero F. (700), in Iceland (13th cent.).

Fritillary, 1] ✿, gen. *fritillaria,* incl. Comm. F. or Snake's Head, *F. meleagris.* 2] Entom., any butterfly of gen. *argynnis,* or *nemeobius.*

Fritsch, K., meteorol., • 12/8 1812 Prague, † 26/12 79 Salzburg.

Fritz, Germ., short for Friedrich (Frederick). *Alte* F., Fredk. II. ("the Great"). *Unser* F., the Crown P. Fredk. Wm.

Friule, or Friaul, anct. duchy on N. Adriatic; Venet. 1420, Aust. 1797, Ital. 1805, Aust. 14, Ital. 66.

Fröbel, Fried. W. A., inv. of kindergarten syst., • 21/4 1782 Ober Weissbach, † 21/7 1852 Marienthal. ✓.

Froberger, J. J., organist, • Halle, † 7/5 1667 Hericourt.

Frobisher, Martin, ⚓ & navig., • *ca.* 1535 Normanton; disco. F.'s Strait 76, commd. *Triumph* against Sp. Armada 88, kntd., † fr. wound 94 Plymouth.

Frog, zool., the amphib. genus *rana.* Common F. is *R. temporaria,* Eatable F., *R. esculenta;* Bull F.; *R. pipiens:* tree-frogs are *hylidæ.*

Froghit, ✿, the gen. *hydrocharis.*

Frog Fish, Fishing Frog (*q.v.*).

Froghopper, entom., the gen. *aphrophora,* the larvæ of which envelope themselvs. in a kind of spittle.

Frog Orchis, ✿, *habenaria viridis;* green flowers.

Frohschammer, J., ⚲ & Rom. Cath. †, • 6/1 1821 Illkofen; prof. at Munich 55, suspended 63 on account of his ✓s.

Frohse, ⊙ Pruss.; ⚔ 10/1 1278.

Froissart, Jean, Fr. ✍ & poet. ✓, • 1337 Valenciennes; in Eng., † *ca.* 1410 Chimay. "Chronicles" 1326–1400.

Frond, ✿, leaf of a fern or othr. flowerless plant, esp. w. spores on *inf. surf.; a combtn. of leaf & stem.*

Fronde, polit. party in Fr. 1648–53, under Prince of Condé.

Frontinus, Sext. Jul., Rom. ✓ & genl., • *ca.* 40; govr. of Brit. 75–78, conquered Silures, † 106.

Fröschweiler, village in Lower Alsace; Fr. name for ⚔ Wörth 6/8 1870.

Frossard, Ch. Aug., Fr. genl., • 26/4 1807, † 2/9 75.

Frost, E. W., ⊕, • Wandsworth 1810; A.R.A. 46, R.A. 71, † 4/6 77.

Froth-hopper, frog-hopper.

Frothingham, 1] Oct. Brook, Amer. Unit. †, • 26/11 1822 Bostn. ✓. 2] Rich., Amer. ✍ ✓, • 31/1 1812 Charlestown.

Frothy Poppy, ✿, *silene inflata;* not a true poppy.

Froude, 1] J. Ant., ✍ & misc. ✓, • 23/4 1818 Dartington. "History of Eng.," "Short Studies on Gt. Subjs." 69–77, &c. 2] Rich. Hurrell, his bro., † ✓, • 1803, † 28/2 36; a leader of Tractarian movemt. 3] His bro. Wm., math. & ⚓ ⊕, • 1810, † 79.

F.R.S., Fellow of Royal Society.

F.R.S.E., Fellow of R.S. of Edinbh.

F.R.S.L., Fellow of Roy. Society of Literature.

Fructidor, 12th mo. of French revolutionary calendar, 18/8–16/9.

Fruit, ✿, ovary or pistil at maturity; also whatever is comb. w. it.

Frumentius, †, fndr. of Church of Abyssinia, bishop of Axum 326.

Fry, 1] Eliz., *née* Gurney, Quaker philanth., * 21/5 1780 Norwich; m. Jos. F. 1800, † 12/10 1845 Ramsgate; prison reform. 2] Sir Edw., ♃, * 1826, Lord Justice of Appeal 77.

F.S.A., Fellow of Society of Antiquaries.

F.S.S., Fellow of Statistical Soc.

Fuad Pasha, Mahmoud, Turk. statesm., * 1814 Constantinople; Grand Vizier 61, † 11/2 69 Nice.

Fuchs, J. N. v., ♃ & ⊕ /, * 15/5 1774 Mattenzell, † 5/3 1858 Munich.

Fuchsia, ❀, gen. of *onagraceæ; F. fulgens* introd. to Eng. *ca.* 1837 fr. Amer. Austral. F., gen. *correa.*

Fuder, *wine meas.*: in *Pruss.* = *ca.* 181 gals.; in Sax. = *ca.* 178 gals.; in Würt. = *ca.* 388 gals.; in Baden = *ca.* 330 gals.; *Hamburg* = *ca.* 191 gals.

Fuentes d'Onoro, vill. nr. Almeida, Sp.; ⚔ 5/5 1811, Brit. deft. Fr.

Fuero, Sp. = law, privilege.

Fugger, noble fam. of Augsburg; counts of Emp. 1530, princes of Emp. 1803, mediatised 1806.

Fugue, ♪, a comp. written accord. to strict contrapuntal rules, in wh. diff. pts. pursue one another; consists of subject, answer, countersubj., & stretto. Best writers of F.s, S. Bach, Handel, Mozart.

Fuh-Chow, or Foo-Choo, ⚓ ⊙, at mth. of Min, prov. of Fukien, China: treaty port 1842; 600,000 inh.; arsenal destrd. by Fr. 23/8 1884.

Fulcrum, point on which any lever turns.

Fulford, villg. Yorksh.; ⚔ 1066.

Fulgurite, ⚒, a vitrified sand tube, perhaps prod. by lightning.

Fulham, a W. suburb & Parlt. bor. of Lond.; 43,000 inh.; rts. 1 M.P.

Fuller, 1] And., Baptist †, * 1754 Wicken, † 1815 Kettering. /. 2] Thomas, ♛ & † /, * 1608 Aldwincle St. Peter's, † 15/8 61 Lond. 3] Sarah Margaret, *v.* Ossoli.

Fuller's Earth, ⊕, sinectite, an argillaceous grey-brown earthy min.; absorbs grease & oil. In ⚒, a stratum of lower Oolite of Bath.

Fullerton, Georgiana C., Lady, *née* Leveson-Gower, rom. /, * 13/9 1812, † 19/1 85.

Fulling, process of condensg. & strngthg. cloth by beatg. w. mallets.

Fulmar Petrel, Stormy P., or Mother Carey's Chicken, ornith., *fulmarus glacialis.*

Fulminate, 1] of mercury, prepared from mercury, nitric acid, & alcohol; explodes at 186°, or by friction. 2] of silver, from nitrate of silver, nitric acid, & alcohol.

Fulton, Robt., Amer. ⊕, * 1765 Little Britain, Penn.; experimd. w. steamboat on Seine 1803, blt. *Clermont* 07 & steamed 110 m., blt. S. *frig.* 14, † 24/2 15 N. York.

Fumage, old Eng. tax on fires; abolished by William III.

Fumarole, in volc. distrs., opening thro' wh. steam & gases escape.

Fumitory, ❀, the gen. *fumaria,* including Rampant F., *F. capreolata,* & Common Fumitory, *F. officinalis.*

Function, in math., any algebr. expression depending for its value on that of another.

Funds, money lent at interest to a govt. on govt. security.

Fünen, Dan. isle in Baltic; 1,200 s.m., 240,000 inh. Chf. ⊙, Odense.

Fungi, ❀, ord. of flowerless pits.: thallogens nourished through their spawn, propagated by spores, & without green *gonidia;* including mushrooms, toadstools, &c.

Funke, Otto, physiol., * 27/8 1828 Chemnitz, † 16/8 79. /.

Furcula, the merry-thought.

Furies, Eumenides or Erinyes, class. myth., the 3 goddesses of veng.: Tisiphone, Alecto, Megæra.

Furioso, Ital. = furiously. ♪.

Furlong, Eng. meas. of length = ⅛ m. = 660 ft. = 10 chains = 40 poles, rods, or perches.

Furnace: *reverberatory,* in wh. flame is bent down; *puddling,* in which a reverb. F. is provid. with damper to reg. draught; *blast,* in wh. combustion is aided by blasts of air; *cupola,* a small blast, &c.

Furniss, Hy., artist & caricatur., * 1854; joined staff of *Punch* 84.

Furnivall, Fred. Jas., philol. & crit. ✓, * 1825 Egham; funded. Early English Text Society, New Shakspere Soc., &c.

Furruckabad, ⚔ 14/11 1804; Holkar defeated by Lake.

Fürst, Jul., orientalist, * 12/5 1805 Zerkovo, † 9/2 73 Leipzig. ✓.

Furze, ♨, the gen. *ulex*, esp. *U. europæus*, comm. F.; ground F., *U. arvensis.*; needle F., *genista anglica.*

Furze Chat, ornith., *saxicola rubetra.*

Furzeling, ornith., *melizophilus dartfordiensis*, Dartford warbler.

Fuseli, Hy., ☻, * 1741 Zurich; prof. at R. A., † 1825 Putney Hill.

Fusel Oil, ⚗, oily product of fermentation of grapes, corn, &c.; acrid, poisonous; may be removed from spirits by wood charcoal.

Fusible Metal: alloy of bismuth 8, lead 5, tin 3; melts in boiling water; still more fusible if metallic cadmium be added.

Fusinato, 1] Arnaldo, It. lyr. & rom. ✓, * 13/12 1817 Schio.
2] His w., Erminia Fuà, * 5/10 1834 Rovigo, † 27/9 76 Rome; poet. ✓.

Fusiyama, volc. ▲ near Tokio, Japan; 12,225 feet.

Füssen, Bav. ⊙; treaty 22/4 1745.

Fust, *v.* Faust.

Fustian, any thick twilled cotton cloth of velvety nature.

Fustic, wood of *morus tinctoria* of tropics; gives yell. dye. Young F., wood of *rhus cotinus.*

Fustis, child of a white & a mustic.

Futhork, the Runic alphabet.

F.v. = *folio verso*, Lat. = on the back of the page.

Fyrd, the anct. English militia.

F.Z.S., Fellow of Zoological Soc.

G.

G, 7th letter of alph.; symb. for 400. In ♯, 5th note of norm. scale of c, called Sol: name of tre. clef.

Ga, ⚗, symbol for gallium.

Gabardine, coarse loose frock.

Gabelentz, 1] H. Conon v. der, philol., * 18/10 1807 Altenburg, † 3/9 74 Lemnitz. ✓. 2] His s., G. Conon v. der, orientalist, * 16/3 1840; prof. at Leipzig 78. ✓.

Gabelsberger, Frz. X., invtd. system of phonog., * 9/2 1789 Munich, † 4/1 1849. ✓.

Gaberlunzie, a blue gown; Scotch licensed beggar.

Gabillon, Zerlina, ♀, * 1835 Güstrow; joined stage 50.

Gabion, ⚔, cylind. open-ended basket, 3 ft. × 2 ft., of wicker or iron bands, for riveting internal slopes of batteries.

Gablenz, Baron L. K. W., Aust. general, * 19/7 1814 Jena; govr. of Holstein 65, of Bohemia 66, † by suicide 28/1 74 Zurich.

Gaboon, ⚓ of W. Afr. Coast; at mouth was Fr. colony 1843–71; now coaling station.

Gaborian, Em., Fr. nov. ✓, * 1835 Saujon, † 29/9 73.

Gabrieli, 1] Andrea, ♯, * 1510 Venice, † there 86. 2] His neph., Giov., * 1557 Venice, † there 12/8 1612.

Gachard, L. P., ♛ ✓, * 12/10 1800 Paris; keeper of archives at Brussels 81.

Gadbury, John, astrol., * 1627 Wheatley, † 92. ✓.

Gade, Niels W., Dan. ♯, * 22/10 1817 Copenhagen; composer.

Gades, ancient ●, Cadiz.

Gad-fly, entom., 1] any fly of fam. *tabanidæ.* 2] The breeze-fly.

Gadwall, ornith., a duck, *anas strepera*; swamps in N. & E. Eur.

Gaekwar, *v.* Guicowar.

Gaelic, dial. of Celtic, spoken by Scotch highlanders.

Gaëta, ⚓ ♚, on Gulf of G., W. Ital., anctly. Cajeta; refuge of the Pope 1848, surrd. to Genl. Cialdini 14/2 61; 17,000 inh.

Gage, 1] Thos., travelr. & miss., * 1597, † 1655. ✓. 2] Thos., Brit. genl., * 1721; govr. of Mass. 44, vict. at ⚔ Bunker's Hill 7/6 75, † 88.

Gagern, 1] Baron H. C. Ern., statesm., * 25/1 1766 nr. Worms, †

23/10 1852 Hornau. 2] His s., F. Bald., Dut. genl., • 24/10 1794 Weilburg; to E. Ind. 1844, † 20/4 48 nr. Kandern. 3] His bro., H. W. A., • 20/8 1799 Bayreuth; in Hess. serv. 1829, Presdt. of Frankfort Parlt. 48, † 22/5 80. 4] His bro., Max., • 26/3 1810 Weilburg; in Austr. serv. 54.

Gahagan, Usher, Irish class. /, executed 1749 for clipping coin.

Gaillard, Cl. Ferd., etcher & ⊙, • 7/1 1834 Paris.

Gainsborough, Thos., ⊙, • 1727 Sudbury, Suffolk; orig. memb. of Royal Acad. 68, † 88 London.

Gairdner, Jas., ♛ /, • 1828 Edinburgh; asst. keeper of Pub. Records 59.

Gaisford, Thos., class. schol., • 1780 Ilford; Regius Prof. of Greek at Oxford 1810, † 55.

Gaius, or Caius, Rom. ⚖, • *ca.* 138, † 180. / "Institutions;" MS. discovd. by Niebuhr 1816 Verona.

Galantuomo, Ital. = man of honour: appl. to k. Vict. Emanuel.

Galapagos Islands, grp. of *ca.* 15 in Pacific O., 560 m. W of Ecuador; disco. by Span. *ca.* 1520; 2,250 s.m.; chief isle, Albemarle, 75 × 15 m. Floreana & Chatham are priv. property; others bel. to Ecuador.

Galashiels, ⊙ Selkirkshire & Roxburghshire, Scot.; 12,800 inh.; with Hawick & Selkirk returns 1 M.P.

Galata, sub. of Constantinople.

Galatea, sea-nymph loved by Polyphemus, but loving Acis.

Galatia, anct. ⊙, div. of Asia Minor; Rom. prov. 25 B.C. Chief ⊙, Ancyra, now Angora.

Galatians, Epist. to the; prob. by Paul from Ephesus *ca.* 57.

Galatz, Galati, or Galacz, Roman. ⊙ on Danube; chf. port; seat of Danube Commission; 82,000 inh.

Galaxy, The, the Milky Way.

Galba, Serv. Sulpic., Rom. Emp. 68–69; • 5 B.C., killed by Otho 69.

Galbanum, pharm., gum resin of *ferula galbaniflua* of Ind.; stimul. expectorant & for plasters.

Gale, ❦, bog-myrtle, *myrica gale.*

Gale, 1] John, Bapt. †, • 1680, † 1721. 2] Roger, ♆, • 1672, † 1744. 3] Theoph., Nonconf. †, • 1628, † 78. /. 4] Thos., Grk. schol., • 1636; Head Master of St. Paul's Sch., † 1702. /. 5] James, blind inventor, • 1833 Crabtree.

Gale's Compound, gunpowder mixed with glass: non-explosive.

Galekas, S. Afr. race, invaded Cape Colony 1877; their land annexed by Britain in same year.

Galen (Claudius Galenus), ⚕, • *ca.* 130 Pergamus, † *ca.* 200. /.

Galena, or Galenite, ⊕, isometric metal. ore; sp. grav. 7·25–7·70: compd. of sulphur 13·4, lead 86·6, with impurities.

Galerites, ⚒, fossil echinids.

Galerius, Cai. Valer. Maxim., Roman Emp. of East 305, † 311.

Galicia, 1] anct. kgdm. of Spain; Chf. ⊙, S. Jago de Compostella. 2] Galizien, prov. of Austro-Hung.; 30,307 s.m., 6,000,000 inh. Cap. ⊙, Lemberg: anctly. pt. of Poland; to Aust. 1772 & 95.

Galignani, 1] J. Ant., journ. / & philanth., • 13/10 1796 London; fnded. *G.'s Messenger,* Paris, † 1873. 2] His bro., Wm., • 10/3 1798, † 11/12 1882; journ. / & philanth.

Galilee, N. prov. of Palestine und. Rom. govt.; now pt. of Turk. prov. Damascus. Sea of G., an expansion of Jordan ⚓, 13 × 7 m. In △ porch at entr. to a church.

Galileo Galilei, Ital. ✈ /, • 18/2 1564 Pisa; first used telescope in ✈ 7/1 1616, disco. true theory of solar syst., recanted 16, imprisd. 32, again recd., blind 37, † 8/1 42 Arcetri.

Galimatia, nonsense.

Galimaufrey, a jumble.

Galingale, ❦, *cyperus longus.*

Gall, 1] St., v. Gallus. 2] A canton in N.E. Switzerland.

Gall, Fran. Jos., German ⚕, founder of phrenology, • 9/3 1758 Tiefenbrunn; to Paris with Spurzheim 1807, † 22/8 28 Montrouge. /.

Gall-bladder, anat., pear-shapd. membranous sac beneath right

lobe of liver, containing the bile.

Gall-fly, entom., any insect of tribe *gallicola*, wh. prod. gall-nuts.

Gall-nuts, morbid excrescences on leaves of plants, prod. by punct. of *cynips* or other specs. of *gallicolæ*; esp. on oak. G.-ns. are used in mnf. of ink & in pharmacy.

Gall-stone, biliary concretion in gall-bladder.

Galla, Ethiop. race of E. Afr.

Gallait, Louis, ♛ ⊕, * 10/3 1810 Tournay; hon. R.A., † 19/11 87.

Galland, Ant., Fr. orient., * 1646 Rollot, † 17/2 1715 Paris; translated "Arabian Nights."

Gallas, Matt., Ct., Austr. genl., * 1584 Trient, † 25/4 1647 Vienna.

Gallatin, Alb., Amer. statesm., * 1761 Geneva; Memb. of Cong. 94, Min. to Paris 1816–23, to Lond. 26–27, fnded. New York Ethnol. Soc., † 49 Astoria.

Galle, J. Gottf., ✕, * 9/6 1812 Pabsthaus; director of observatory at Breslau 51.

Gallenga, Ant. (Luigi Mariotti), ✓, * 4/11 1810 Parma; corresp. of *Times*.

Galleon, largest type of ship of 16th & 17th cents., 3 masts.

Galley, 1] anct. ⚓, large warship w. 1, 2, or 3 masts; also propelled by oars in 2, 3, or 4 banks. 2] In mod. ⚓, a clinker-built boat, 28–36 ft. long, light & sharp, with 10–12 oars. Also, a ship's cook-house.

Galli, priests of Syr. Cybele at Rome.

Gallic Acid, occurs in nut-galls, tea, sumach, &c.

Gallican Church, Rom. Cath. Ch. in France, partially indep. by Pragmatic Sanction of 1269 & 1438, but restrained by Concordat of 1516, & again enlarged by Declaration of 12/3 1682.

Gallienus, Publ. Licin., Roman Emperor 260–68, son of Valerian.

Gallinaceous Birds, or Game Birds, ornith., the *gallinæ*.

Galliot, ⚓, small galley: 2-masted Dutch vessel.

Gallipoli, 1] ⚓ ⊙ Turk., on Dardanelles; ⊕; captd. by Turks 1355; 32,000 inh. 2] Ital. ⚓ ⊕; 11,000 inh.

Gallium, ⊕, a metal. element disc. 1875 by L. de Boisbaudran; symb. Ga, atom. wt. 69·9, melts at 86°, crystals. at 5°, spec. grav. 5·95.

Gallizin, or Golizyn, 1] Dmitri A., Prince, Russian diplom., * 1785, † 21/3 1813 Brunswick. 2] His w., Amelia, *née* Schmettau, * 28/8 1748 Berlin; relig. enthus., † 21/8 1806.

Gallon, Eng. meas. of capacity = 4·5434 litres = 4 quarts = 277·274 cub. ins. = 8 pints. 1 G. of water weighs 10 lbs. at temp. of 62° with barom. at 30 ins. In U.S.A., G. = 231 cub. ins. Old corn G. = 268·6 cub. ins. Old ale G. = 282 cub. ins.

Galloway, anct. prov. Scot., now Wigtownsh. & pt. of Kirkcudbright.

Galloway, small horse, originally bred in G.

Galloway, 1] Sir Archb., Scot. genl., * 1780, † 1850. ✓. 2] Joseph, American ✓, * 1730, † 1803.

Gallus, 1] C. Corn., Rom. poet. ✓, * 69 B.C., † by suic. 26 B.C. 2] C. Vib., * 206; Rom. emp. 51, assd. 54.

Gallus, St., † 655; founder of monastery of St. Gall: festival 16/9.

Galt, 1] John, misc. ✓, * 2/5 1771 Irvine, † 11/4 1839 Greenock. "Annals of the Parish." 2] His s., Sir Alex. Tilloch, Canad. statesm. * 1817 Chelsea; Canad. Min. of Fin. 58–62, 64–66, 67, G. C. M. G. 78, High Commiss. in Eng. 80–83.

Galton, Francis, meteorol. & scientific ✓, * 1822.

Galvani, Aloisio, physiol., * 9/9 1737 Bologna; discovd. influence of electricity on muscles, † 4/12 98. ✓.

Galvanic Cell, or Battery: apparat. for provid. electric current; *e.g.*, plate of zinc & plate of copper fastened to wires, & placed in glass vessel of dilute sulphuric acid. If ends of wires be then joined, currnt. flows in vessel fr. copper to zinc & outside from zinc to copper; copper being positive, & zinc negative. There are many vars., plates used

being zinc & platinised silver, mercurialised zinc&copper, zinc&platinum foil, zinc & gas carbon, &c., in diff. soluts. Sev. cells conctd. form a battery, zinc of one being conncted. w. copper of next if high electromotive force be needed. Electromotive force dep. on numb. of cells.

Galvanised Iron, iron slightly coated with zinc.

Galvanism, branch of electric science dealing with prod. of electr. by oxidation of zinc in contact w. other metal or w. substs. surrounding it.

Galvanometer, inst. for measg. electr. currents; based on fact that when a wire conveying current apprchs. magn. needle, needle tends to lie at rt. angles to direct. of current. Extent of deflection deps. on distance & strgth. of current. Most sensitve. G. invtd. b. Sir W. Thomson.

Galway, marit. co. Connaught, Irlnd; 2,447 s.m., 241,000 inh.; rets. 4 M.P.s: N., S., E. (Carrickfergus), W. (Connemara). Chf. ⊙. G., on Corrib & G. Bay; 19,000 inh.; rets. 1 M.P.

Gama, Vasco da, Port. ⚓, • ca. 1460 Sines; disced. ⚓ route to Ind. 97, Viceroy of Ind. 1524, † 24 Cochin.

Gamba, or Viola da G., ♫, large viol with six strings.

Gambetta, Leon. Fr. statesm., • 8/4 1838 Cahors; called to Bar 59, memb. of Prov. Govt. 70, left Paris in balloon 8 10, organd. army at Tours, resgd. Dictatorsh. 6/2 71, Depty., Presdt. of Chamb. 79, Prem. 81–82, † 31/12 82 Paris.

Gambia, Brit. settlement on W. coast of Afr., on G. ⚓; fnded. 1588; 21 s.m., 14,500 inh.; govnd. by Administrator und. Govr. of W. Afr. Settlemts. Chf. ⊙, Bathurst.

Gambier, or Yellow Cutch, extract from *uncaria gambir* & *U. acida;* used in dyeing & tanning.

Gambier, Jas., Bar., adml., • 1756; bombd. Copenhagen 1807, peer, † 33.

Gambier Islands, or Mangarevas, S. Pacif. O., disced. 1797; Fr. protect.

Gamboge, ☠, gum resin from *garcinia morella* of Cambodia; used in ☻, & in ℞ as drastic purge.

Gambrinus, myth. invnt. of beer.

Game, in Grt. Brit., wild anims. & birds protected for sport: deer, hares, pheasant, partridge, grouse, heath or moor G., black-game, woodcock, &c. Lic. to kill £3, to sell £2, a yr. Illegal to kill or sell in close time, wh. varies for diff. G. & in ea. of 3 kingdoms.

Gamin, Fr. = street-boy.

Gammelsdorf, Bavar. village; ⚔ 9 11 1313.

Gamut, ♫, the scale of ♫ intervals, usually represented by first seven letters of alphabet.

Gandon, James, Eng. △ & △ ⁄, • 1741, † 1824; built front of Irish House of Lords, Four Courts, &c.

Gandy, Jas., Eng. ☻, • 1619, † 89.

Ganesa, Ind. myth., s. of Siva & Parbutta; god of wisdom.

Ganganelli, *v.* Clement IV.

Ganges, ⚓ N. India; rises in Himalayas, 13,800 ft., nr. Gangotri; joined by Jamna at Allahabad; flows 1,680 miles to Gulf of Bengal. Upper part called Bhagirathi; W. mth., on which is Calcutta, called Hugli. Its delta called Sundarbans. Drains 432,480 s.m. Sacd. to goddess Ganga.

Ganges Canal, syst. in N. India betw. Hardwar & Allahabad, *viâ* Cawnpur; 1,074 m.: begun 1842.

Ganglion, anat., 1] a mass of vascular neurine. 2] A lymphatic gland. 3] A nervous centre. 4] Indolent tumour on a tendon.

Gangpur, trib. State of Bengal, ced. to Brit. 1826; 2,484 s.m., 76,000 inh.

Gangrene, ✗, either moist or dry: putrescence of part of a living body.

Gangue, non-metallif. matter fnd. w. ores; *e.g.*, quartz, calcite.

Ganjah, leaves of *cannabis indica*, produce sp. of intoxication.

Ganjam, distr. of Madras, Brit. Ind.; 8,313 s.m., 1,550,000 inh.; admin. hd.-qrs., Berhampur.

Gannet, ornith., the gen. *sula;* especially *sula alba,* solent goose.

Gannister, hard sandstone in lower coal measures; very infusible: used for lining furnaces.

Ganoidei, Ganoids, ord. of fish. w. diamond-shaped scales which do not overlap; incl. sturgeon.

Gantang, ▲ pass in Panjab, betw. Kunawar & China; 18,295 ft.

Ganymede, 1] Greek myth., beautiful boy; cup-bearer to Zeus. 2] ♒, the constellation Aquarius.

Garancin, dye mnfd. fr. madder.

Garashanine, Miloutine, Serv. statesm., * 1844; Foreign Min. & Premier 84.

Garcia, 1] Manuel, singer, * 22/2 1775 Seville, † 10/6 1832 Paris; fathr. of Malibran, & Viardot G. 2] His son, Manuel, teacher of singing, invtd. laryngoscope, * 17/3 1805 Madrid.

Garçon, Fr. = boy; waiter.

Gard, dept. of S. Fr.; part of anct. prov. Languedoc; 2,256 s.m., 480,000 inh. Chf. ⊙ Nismes.

Garda, Lake of, anctly. *Lacus Benacus,* N. Italy; drained by Mincio into Po ⚓; 38 × 11 miles.

Garden Cress, ☘, *lepidium sativum;* seed-leaves used as salad.

Gardiner, 1] Steph., Eng. Rom. C. † & statesm., * 1483 Bury St. Edmunds; bp. of Winchester 1531, imprisd. by Edw. VI., Ld. Chanc. 53, † 55. 2] Sam. Rawson, ✍ /, * 1829 Ropley.

Gardner, Alan, Brit. adml., * 1742, † 1809 as Lord Uttoxeter.

Gare-fowl, ornith., Grt. Auk

Garfield, Jas. Abram, Amer. genl. & repub. statesm., * 19/11 1831 Orange, Ohio; in Civ. War, 20th Presdt. of U.S. 81, shot by Guiteau, Washington 2/7 81, † 19/9 Long Branch.

Gar-fish, or Gar-pike, ichth., *belone,* a gen. of bony fishes.

Garganey, or Summer Teal, ornith., *anas querquedula.*

Gargoyle, ▲, ornam. spout in parapet to dischrg. water from roof.

Garhwal, 1] distr. of N.W. Provs. of Brit. Ind., annexed 1815; tea; 5,500 s.m., 330,000 inh.; administr. headqrtrs., Pauri. 2] Nat. State of Ind., in Himalayas; 4,180 s.m., 150,000 inh. Capital ⊙, Tehri.

Garibaldi, Giuseppe, Ital. patr. & ⚔, * 22/7 1807 Nice; joined Sard. navy 25, conspired & dismissed 32, cond. to death in abs. 34, served Tunis, served Monte Video 44–48, memb. of Piedmont Ass., served Rom. Repub., again to S. Amer., ret. to Italy 54, in War of Liberation 59, conqrd. Naples & Sicily 60, deftd. in attack on Rome 62, to Lond. 64, fght. agst. Austr. 66, again deftd. at Rome 67, reconcd. to Vict. Emmanuel 70, fght. for Fr. 70–71, to Caprera, † there 2/6 82. /.

Garlic, ☘, *allium sativum.* Field G., *A. oleraceum,* a Brit. variety. G. Mustard, *sisymbrium alliaria.*

Garnet, ◆, isometric translucent min.; massive or lamellar, sp. gr. 31·15; compd. silica 85·75, alumina 15·22, protoxide of iron 24·82; red, brown, yellow, white, black.

Garnet, 1] Hy., Eng. Jesuit, * 1555; impliicd. in Gunp. Plot, exec. 1606. 2] Thos., Eng. ☙, * 1766, † 1802. /.

Garnett, 1] Rev. Rich., philol., * 1789, † 1850. 2] Dr. Richard, editor & philol., * 1835; asst. keep. of books at Brit. Mus.

Garnier, 1] J. L. Ch., ▲, * 6/11 1825 Paris; blt. Grand Opera there. 2] Marie Jos. F., Fr. travlr., * 1839; entrd. navy, to Thibet, explrd. Yang-tse-Kiang, captd. Hanoi 20/11 73, assassd. 7/12 73. /.

Garnier-Pagès, L. Ant., Fr. polit., * 18/7 1803; Fin. Min. 48, † 3/10 78. /.

Garonne, Haute, dept. of S. Fr., pt. of anct. prov. Languedoc; 2,428 s.m., 478,000 inh. Chf. ⊙, Toulouse.

Garotte, mode of capital punishment in Sp. by strangulation with a metal collar tightened by a screw which also enters spine.

Garrard, Marcus, port. ● to Q. Elizabeth, * 1561, † 1635.

Garrick, David, ⊙ & ⊙ /, • 19/2 1716 Hereford, † 20/1 79 London.

Garrison, Wm. Lloyd, Amer. anti-slav. orator, • 10/12 1805 Newburyport, Mass.; to Eng. 33, 46, 48, 67, 77, † 24/5 79 New York. /.

Garrot, or Golden Eye, ornith., the genus *clangula*.

Garrote, *v.* Garotte.

Garrow, Sir Wm., ⚖, • 1760; Sol.-Genl. 1812, Bar. of Excheq. 17-32, † 40.

Garter, Order of the, *v.* Orders.

Garter King of Arms, offr. of Heralds' College who attends at ceremonies of the Order of the G.

Garth, Sir Sam., ♃ & poet. /, • 1671 Golam, † 1719. "Dispensary."

Gärtner, 1] Jos., ♂, • 12/3 1732, † 14/7 91. /. 2] F. v., △, • 1792 Coblentz, † 21/4 1847 Munich.

Garve, Chr., pop. ⚕, • 7/1 1742 Breslau, † 1/12 98. /.

Gas, Gases, ⚗, form of matter wh. has no cohesion betw. its diff. particles; diffusible, compressible; expands by heat by $^1/_{491}$ of its vol. at 32° for each rise of 1° of F. thermom.: condensed to liquid & solid by pressure at low temps.

Gas, Coal, for illuminating; obtd. from bituminous or cannel coal by actn. of heat, & freed from water, tar, ammonia, carbonic-acid gas, & sulphr. Carburetted hydrogen, CH_4, with var. impurities. Distilled by Clayton 1688, conveyed in pipes 1750, used at Redruth 1792, at Soho 1798, in Pall Mall 1807, streets of London & Paris 1815.

Gascoigne, 1] Geo., poet. /, • 1535 Westmoreland, † 77 Stamford. 2] Sir Wm., Eng. ⚖, • *ca.* 1350; Chf Just. of Comm. Pleas, imprisd. Henry (V.), † 1419. 3] Wm., ⚔, • 1621, † ⚔ Marston Moor 44; invtd micrometer. 4] Caroline Leigh, *née* Smith, novel /, • 1813.

Gascony, anct. prov. of Fr., nearly=depts. of Hautes Pyrenées, Landes, & Gers; anctly. indep. duchy; Fr. 1054. Chf. ⊙, Auch.

Gaskell, Elizb. Cleghorn, *née* Stevenson, nov. /, • 29 9 1810 Chelsea; m. Rev. Wm. G. 32, † 12/11 65.

Gas Meter, machine for measg. gas passed through it. Described by Seguin 1797; Wet M. invtd. by Clegg 1807; Dry M. by Malam 20.

Gasometer, or Gasholder, a cylindrical dome-shapd. vessel of iron, suspend. by pulleys, with its open lower end in water: used for storing coal-gas, wh. enters it from beneath by a pipe opening above the lev. of the water, & so raises the G.

Gassendi, Pierre, French ⚕ & math., • 1592, † 1655. /.

Gastein, or Wildbad G., watering-place nr. Salzburg, Austria, on Ache. Treaty w. Gt. Brit. 14/8 1865.

Gastric Juice, acid liquor secreted by glands of stomach; dissolves or reduces food to chyme.

Gates, Horatio, Brit. offr., • 1728; joined Americans, † 1806.

Gateshead, ⊙ Durham, on Tyne; 66,000 inh.; returns 1 M.P.

Gathorne-Hardy, *v.* Cranbrook.

Gatling, Richd. Jordan, Amer. ♃ & ⚙, • 12/9 1818 North Carolina; invented sewing machine & G. gun.

Gatling Gun, machine-gun w. cluster of barrels fed w. cartridges at breech, & fired in succession by turning handle; invented 1862.

Gatschina, Russ. ⊙ near St. Petersburg; castle; 9,000 inh.

Gatty, Mrs. Alfred, *née* Margaret Scott, / for children, • 1809, † 4/10 73. "Aunt Judy."

Gauchos, horsemen of S. Amer.

Gauden, John, Eng. †, • 1605; reptd. author of "Eikon Basilike," bishop of Exeter, Worcester, † 62.

Gaudy, Franz, Baron v., poet. & humor. /, • 19 4 1800, † 6/2 40.

Gaugamela, Assyrian ⊙ near Arbela; ⚔ 2/10 331 B.C.

Gauge, a measure; esp. measure of distance between two Ry. rails of same pair. Narrow G. in Eng. is 4 ft. 8½ in. Broad G. in Eng. is 7 ft.; in U.S.A., 6 ft. In Ireland, narrow G. is 5 feet 3 inches.

Gaul, Gallia, anctly. Fr. & Belg., & later Upp. It.; conqd. by Roms. 225–218 B.C., colonised 191. Divd. by Augustus 27 B.C. into Aquitania, G. Lugdunensis, & G. Belgica.

Gauli, *v.* Baciccio.

Gault, ⚒, dark blue marl formg. lower div. of upper cretaceous grp.; contains many *cephalopoda*.

Gaunt, or Ghent, John of, 3rd son of Edw. III., * 1340; duke of Lancaster, assmd. title of king of Castile, defended Wickliffe, † 99.

Gauntlett, H. J., ♆, * 1806 Wellington, Salop; hon. Mus. Doc. 42, compd. church ♆, † 21/2 76. ♪.

Gaur, or Gour, spec. of wild ox of Central India; *bos gaurus*.

Gaurisankar, *v.* Everest.

Gauss, K. Fried., math. & ✎, * 30/4 1777 Brunswick, † 23/2 1855.

Gautama, the Burmese Buddha.

Gautier, Théophile, misc. ♪, * 21/8 1808 Tarbes, † 23/10 72 Paris. "Mademoiselle de Maupin" 35.

Gauze, light transp. fabric of silk or linen; orig. from Gaza.

Gavarni, Paul (prop. G. Sulp. Chevalier), artist & caricaturist, * 13/1 1804 Paris, † 24/11 66 Auteuil.

Gavazzi, Alex., orignlly. a Barnabite, but afterw. anti-Roman. orat. & patriot, * 1809 Bologna, † 85.

Gavelkind, ⚒, anct. English tenure by wh. father's land at death was divd. equally among sons; & brother's land, if no issue, equally among brothers: survives in Kent.

Gaveston, Piers, a Gascon fav. of Edward II., Viceroy of Ireland, exiled, returned, executed 1312.

Gavial, the crocodile of India, with teeth of nearly equal size.

Gay, 1] John, Eng. poet. ♪, * 1688 Frithelstock, † 4/12 1732. "Fables" 24, *Beggar's Opera* 27. 2] Sophie, ♪, * 1/7 1776 Paris, † 5/3 1852. 3] Her d., Delphine, w. of Em. de Girardin 31, misc. & ☉ ♪, * 26/1 1804, † 30/6 55 Paris.

Gaya, distr. of Bengal, Brit. Ind.; ♪; 4,716 s.m., 1,960,000 inh. Chf. ⊙, Gaya; 68,000 inh.

Gayal, spec. of ox, *bos frontalis*, wild in East India; venerated.

Gay-Lussac, Jos. L., Fr. ⚗ & nat. ⚗, * 6/12 1778 S. Léonard; peer of Fr. 39, † 9/5 1850 Paris. ♪.

Gazelle, zool., sp. of antelope, *gazella dorcas*, of North Africa.

Gazette, from Venetian coin *gazetta*, price of first journal. First Eng. *G.* publd. 1665, Oxford; title soon changed to *London G.*, since publd. regular. twice a week: contains all official notices.

Gaznivides, a Pers. dyn. of 4 kings, 999–1049.

Gazogene, apparat. for manfg. aërated water by evolution of carb.-acid gas w. water in closed vessel.

G.C.B. = Grand Cross of the Order of the Bath.

G.C.M.G. = Grand Cross of the Order of SS. Michael & George.

Gebhardt, Ed. v., ♛ ☻, * 1/6 1838 St. Johann.

Gebir, Abu-Mussah-Giafer, Al Sofi, Arab. alchem, 8th cent. ♪.

Gecko, zool., a gen. of lizards; *G. verus* comm. in Ind.: harmless.

Ged, Wm., inventor of stereotypy, † 1749.

Geddes, 1] And., ☻, * 1789 Edinburgh; A.R.A. 1831, † 44. 2] Alex., ✝ critic, * 1737, † 1802.

Geffrard, Fabre, negro statesm., * 19/9 1806; President of Hayti 59–67, fled to Jamaica, † there 79.

Gegenbaur, Karl, anat., * 21/8 1826 Würzburg.

Gehenna, valley of Hinnom, nr. Jerusalem; fires kept lighted to burn corpses: hence fig. for Hell.

Geibel, Eman., poet. & ☉ ♪, * 18/10 1815 Lübeck, † there 6/4 84.

Geiger, 1] Abraham, Jewish schol. & reform., * 24/5 1810 Frankfort-on-Main, † 23/10 74. 2] His s. Ludwig, * 5/6 1848 Breslau; prof. at Berlin Univ. 79, ed. *Goethe-Jahrbuch*. 3] Laz., philol., * 21/5 1829, † 29/8 70. ♪.

Geijer, Erik Gust., ♛ & poet. ♪, * 12/1 1783, † 24/4 1847 Upsala.

Geikie, 1] Archib., ⚒, * 1835 Edinburgh; prof. there 70. ♪.

2] Jas., ⚒, * 1839; prof. at Edinb. 82, F.R.S. 75. ⁄.

Geissler, H., ⚙, * 26/5 1814 Igelshieb, † 24/1 79 Bonn; invented quicksilver pump, vaporimeter, &c.

Geitner, Em. Aug., ⚗, * 12/6 1783, † 24/10 1852 invd. Germ. silver.

Gelasius, name of 2 Popes: 1] I., 492–96; 2] II., 1118–19.

Gelatine, ⚗, $C_{75}H_{124}N_{24}O_{29}$ (?), anim. gluten; obt. fr. bones treated with hydrochloric acid, & from bladders of fish. Glue is impure G. Insoluble in ether & alcohol; putrefies if moist, but not if dry; used in cooking, photography, &c.

Gelderland, Geldern, prov. of Holl.; 475,000 inh.; indept. duchy till 1543. Capital ⊙, Arnhem.

Gelée, Claude, *v.* Claude of Lorraine.

Gelimer, last king of Vandals, defeated by Belisarius 534.

Gell, Sir W., Ψ ⁄, * 1777, † 1836.

Gellert, Chr. F., poet. & ☾ ⁄, * 4/7 1715 Hainichen, † 13/12 69 Leipzig.

Gellius, *v.* Aulus Gellius.

Gelon, tyrant of Gela 491 B.C., of Syracuse 485, † 478 B.C.

Gelseminum, ☙, gen. of *bignoniaceæ. G. nitidum,* Carolina jessamine; tinct. from root, sedative.

Gemara, a div. of the Talmud; annotations on the Mishna.

Gemini, ♊, The Twins, one of signs of Zodiac; between Crab & Bull: contains *Castor & Pollux.*

Geminiani, F., It. ♛, * 1680, † 1762.

Gemmi, pass in Alps; 7,550 feet.

Gems-bok, zool., an antelope, *oryx gazella,* South Africa.

Genappe, Belg. ⊙; ⚔ 17/6 1815.

Gendarme, armed policeman.

Genée, 1] Rich., ♛ comp., * 7/2 1823 Dantzic. 2] Rud., ⁄, * 13/12 1824 Berlin.

Genelli, Bonavent., ♛ ☻, * 28/9 1798 Berlin, † 13/11 1868 Weimar.

General, ⚔ officer, inferior to a Field-Marshal. Next come Lieut.-G., Maj.-G., & Brigad.-G. G. officer commands brigade or more.

General Assembly, highest court of Establd. & Free Churches of Scot.; meets annually; presided over by Moderator, electd. by vote.

Genesis, Grk. = origin: name of 1st book of Old. Test.; prob. work of two or more writers reduced to present form by some later hand.

Génestet, P. Aug. de, Dut. poet. ⁄, * 21/11 1829 Amsterdam, † 2/7 61.

Genet, zool., 1] *viverra genetta,* with long tail & fine fur; S. Europ. & Afr. 2] Small Spanish horse.

Geneva, Genève, Genf, 1] canton of S. W. Switz.; 109 s m., 105,000 inh; Repub. 1535, Fr. 1798, joined Sw. Confed. 24/5 1847. 2] Its cap. ⊙, on Rhone & Lake of G.; cathd. 12th cent; univ. fnded 1368, reorg. 1559, reblt. 1869; captd. by Fr. 1798, indept. 1814; 69,000 inh.

Geneva, G. spirits; Hollands, gin.

Geneva Bible, transl. of B. into Eng., pub. at G., reprinted in Eng. 1561

Geneva Convention, internat. agreement, 22/8 1864, as to treatmt. of sick & wounded in war. G. Cross, red cross on white ground, is ✠ badge of ambulances & neutrals.

Geneviève, or Genoveva, St., patron of Paris, * 424, † 512; 3/1.

Gengis Khan, *v.* Zenghiz Khan.

Genii, Djinns, or Jinns, oriental myth., spec. of fairy race, eithr. good or evil In Roman myth., tutelary spirits. *Genius loci* = pervading spirit or atmosphere of a place.

Genlis, Steph. F., *née* St. Aubin, Comtesse de, Fr. novel ⁄, * 25/1 1746 Champcéri, † 31/12 1830 Paris.

Gennesareth, Lake of, Lake of Galilee, or of Tiberias, in N. Palestine, 666 ft. below lev. of Mediterr., traversed by Jordan; 13½ m. long.

Genoa, Genua, chf. ⊙ prov. of G., Italy; ⚓ ☗ on Gulf of G., cathd. 12th cent., univ., 135,000 inh. Cap. of Repub. of G. 11th–18th cents.; became Ligurian Repub. 1798, annexed by Fr. 1805, ced. to Sard. 15.

Genoveva, *v.* Geneviève.

Genre, Fr. = kind of ☻ dealing w. common life, domestic or rural.

Gens, in Rom. ♛, a clan. The

name of the G. was the 2nd of the 3 comnly. borne by Rom. patricians.

Genseric, k. of Vandals, * 406; conq. N. Afr. 29, took Rome 55, † 77.

Gensichen, O. F., poet. & ✆ /, * 4/2 1847 Driesen.

Gen-syò-ten-wô, Empress of Japan, * 679, † 748.

Gentian Root, dried root of *gentiana lutea;* bitter tonic.

Gentlemen-at-Arms, corps of ✕ officers forming body-guard of Brit. sovs.; commd. by a captain. Anciently Gentlemen Pensioners.

Gentz, Wm., ✉ ✆, * 9/12 1822 Neuruppin.

Genus, Latin = race, kind. In nat. hist., a group of species which contain some common feature different from that of all other specs.

Geocentric, ✱, havg. the earth as a centre. G. Latitude of a planet is angle between line drawn from planet to earth & plane of earth's orbit or of ecliptic. G. Longitude is angle at earth's surface between line from 1st point of constellation Aries & line to point of ecliptic, intersected by perpend. circle, plane of which cuts both earth & planet.

Geoffrey, 4 counts of Anjou, 10th, 11th, 12th cents.; 2 dks. of Bretagne, 10th, 11th centuries.

Geoffrey of Monmouth, Eng. ✉ /, * *ca.* 1080 Monmth; bp. of St. Asaph 1152, † 54. "Chronicon" 28.

Geoffroy St. Hilaire, 1] Étienne, naturalist, * 15/4 1772 Étampes, † 19/8 1844 Paris /. 2] His son, Isidore, naturalist, * 1805, † 61. /.

Geography, science dealing w. surf. of the globe in its physical, political, or commercial aspects. Royal G. Soc. of Lond. fnded. 1830.

Geok Tepé, stronghold of Tekke Turcomans; ✕, Lomakin defeated 1879: captd. by Skobeleff 24/1 81.

Geology, science of the earth's structure, growth, & change. Chief causes of change: rain, frost, wind, runng. water, sea, moving ice, anim. & veget. life, volcanic action. The var. strata, beginning w. the oldest, are classified as follows:—*Primary* or *Palæozoic:* Laurentian, Cambrian, Silurian, Devonian, Carboniferous, Permian. *Secondary* or *Mesozoic:* Triassic, Liassic, Jurassic or Oolitic, Neocomian, Cretaceous. *Tertiary* or *Cainozoic:* Eocene, Miocene, Pliocene. *Post-Tertiary:* Pleistocene, Recent. *Vide* Rocks, Palæontology, Volcanic Action, Glaciers, Earth, &c. (*See also* PLATE.) G. Soc. of London founded 1807.

Geometry, the science of figures, spaces, lines, points, & their properties; fnded. by Thales 600 B.C., & Pythagoras 540 B.C., improved by Euclid *ca.* 300 B.C. (*v.* PLATE.)

George, 1] I., k. of Great Brit., s. of Sophia, grd.-dau. of James I., & Ern. Aug., Elect. of Hanover, * 28/5 1660 Hanover; Elector 98, m. Sophia Dorothea of Zell, suc. 1714, † 10/6 27. 2] His s., II., k. of Grt. Brit., * 30/10 1683 Hanover; suc. 1727, † 25/10 60 Kensington. 3] His gd.-s., III., k. of Great Brit., s. of Geo. Fredk. Wm., P. of Wales († 1751), * 4/6 1738; suc. 60, finally insane 1812, † 29/1 20. 4] His s., IV., k. of Grt. Brit., * 12/8 1762; regent 1812, suc. 20, † 26/6 30 Windsor. 5] G. V., k. of Hanover, s. of k. Ern. Aug., * 27/5 1819 Berlin; blind 40, suc. 51, lost his crown 66, † 12/6 78 Paris. 6] "the Rich," dk. of Sax., * 24/8 1471; suc. 1500, † 17/4 39. 7] G., Pr. of Sax., s. of k. John, * 8/8 1832; commander Sax. Army Corps 73. 8] G. II., dk. of Saxe-Meiningen, * 2/4 1826; suc. 20/9 66. 9] G., k. of Greece, son of Christian IX. of Denmk., * 24/12 1845; elected 63, m. 67 Olga of Russ. 10] G., Dk. of Clarence, b. of Edw. IV., * 1449, † in Tower 78. 11] G., Pr. of Denm., * 1653; m. 83 Anne, dau. of Jas. II., creat. dk. of Cumberland, † 1708. 12] G., Gd. Dk. of Russ. ("Dolgorouki") son of Vladimir Monomach, * 1100, † 56; founded Moscow. 13] G., Kara, Black, or Czerni, Serv. patriot, * 1765; liberat. Serv., sov. 1807, retired, murd. 17.

George, Henry, Amer. socialist, * 1839 Philadelphia; to Eng. 81, 83–84. ✓ "Progress & Poverty" 79.

George, St., patr. of Eng. & of Ord. of Garter; Arian bp. of Alexand. 4th cent., or Rom. tribune martyrd. 23/4 303. St. G.'s Cross, upright, equal-armed, red on white field.

George Eliot, pseudonym of Evans, Marian (*q.v.*).

George Sand, pseudonym of Madame Dudevant (*q.v.*).

Georgetown, capital ⊙ British Guiana, on Demerara ⚓; 38,000 inh.

Georgia, Grusia, Russ., country of W. Asia, forming govt. of Tiflis since 1802, but anciently indept.; 1,800,000 inh. Capital ⊙, Tiflis.

Georgia, annexed by Brit. 1729, one of orig. U.S.A. 88, seced. 11/1 1861, readmd. 20/4 70; 58,000 s.m., 1,550,000 inh. Cap. ⊙, Atlanta.

Georgium Sidus, ♅, Uranus.

Gerah, anct. Hebr. money of acct. = *ca.* 1½d., or $\frac{1}{20}$th shekel. A weight.

Geranium, ♃, gen. of cranes'-bills; *ca.* 100 specs. The *pelargonium*, wrongly called G., is of same natural order.

Gérant, Fr. = manager; esp. of a journal.

Gérard, 1] Franç. P., Bar., port. & ✍, * 11/3 1770 Rome, † 11/1 1837 Paris. 2] J. Ign. Is ("Grandville"), Fr. caricaturist, * 1805 Nancy, † 47.

Gerhard, 1] J., Luth. †, * 17/10 1582, † 17/8 1637. 2] Dagobert v. ("G. v. Amyntor"), ✓, * 12/7 1831 Liegnitz.

Gerhardt, 1] C. Fredk., ♫, * 1816 Strasburg, † 56. ✓. 2] Paul, † & hymn ✓, * 12/3 1607, † 6/6 76.

Géricault, J. L., Fr. ✍, * 1790, † 1824.

Gerland, Geo., ⊕ & anthropol., * 29/1 1838 Cassel.

German, Lang. & Lit.: Lang., branch of Germanic fam., includg. 2 dials., High G. (in S. G., Suabia, & Bav.), Low G. (in N. G., &c.). Lit. in 7 periods:—(1) Till 12th cent. folk poems. (2) Till *ca.* 1350; minnesingers, *Nibelungenlied*. (3) Till 1600; meistersingers; †; begin. of ✓. (4) Till *ca.* 1740; pedantic. (5) Till *ca.* 1780; conflict w. Fr. influence. (6) Golden age; Goethe & Schiller, till 1830. (7) Modern period.

German Confederation, associat. of Germ. States, 1815–48, 50–66.

German Empire, *Deutsches Reich*, confed of States in Cent. Eur., formed 16/4 1871, w. k. of Pruss. as Emp. (*Kaiser*), having direct. of ✕ & polit. affairs. Govd. by *Bundesrath* or Fed. Coun., & *Reichstag* or Diet of 397 membs. elect. for 3 years by univer. suffrage. *States:* Prussia, Bavaria, Saxony, Wurttemb., Baden, Hesse, Mecklenburg-Schwerin, Saxe-Weimar, Mecklenburg-Strelitz, Oldenburg, Brunswick, Saxe-Meiningen, Saxe-Altenburg, Saxe-Coburg-&-Gotha, Anhalt, Schwarburg-Rudolstadt, Schwarzburg-Sondershausen, Waldeck, Reuss-Schleiz, Reuss-Greiz, Schaumburg-Lippe, Lippe; with the *Reichsland* Alsace-Lorraine, & the Cities, Lubeck, Bremen, & Hamburg; 212,091 s.m., 46,000,000 inh. ▲*s:* Alps, Bohmerwald, Fichtel (Hartz), Frankenwald, Thuringian, Black Forest, Jura, Vosges. ⚓*s:* Danube, Isar, Inn, Rhine, Neckar, Main, Moselle, Weser, Elbe, Spree. *Lakes:* Boden, Chiem, Wurm. Rev. *ca.* £84,000,000, expend. *ca.* the same; each State havg. also separ. revs. & expendits. Debt *ca.* £230,000,000. Army 480,000 men, 1,600 guns (peace); 1,480,000 men, 3,000 guns (war). Fleet 25 ironclads, 160 others, with 14,000 men. *Colonies:* Togoland; Guinea, betw. ⚓s Del Rey & Campo; West Afr. coast, betw. C. Frio & Orange ⚓; Usagara; Vitu; N.E. New Guinea; Bismarck Archipel. Rys. 23,150 m. *See* also separ. States, & Germany.

Germans, branch of Indo-Eur. fam. Two tribes, Cimbri & Teutones, began to attck. Italy 113 B.C.; deftd. by Cæsar; vict. under Arminius. Sev. tribes confed. in 3rd century & spread over greater part of W. Eur.

German Silver, alloy of copper, zinc, nickel, in var. props. v. Geitner.

Germander, ♃, gen. *teucrium*, esp. wood-sage, *T. scorodonia*.

Germanicus, Cæsar, Rom. Emp. of the East, s. of Nero Claud. Drusus & neph. of Tiberius, * 15 B.C.; commanded in Germ., fath. of Caligula, poisoned 9/10 19 A.D. Antioch.

Germany, genl. name for Germ.-speakg. States of Cent. Eur., esp. for States of Germ. Emp. ♛: an Emp. 843, incldg. Suabia, Bav., Franconia, & Sax., w. Lorraine in 870; Conrad I. 911; Henry I. (919–36) made Emp. indept.; Union of Germ. & Rom. Emps. 962, Burgundy annexed by Conrad II. (1024–39), Rom. Emp. given up by Charles V. (1519–56); 30 Years' War; loss of Alsace, Switz., & Holl.; Fredk. the Grt. of Pruss., strife betw. Pruss. & Aust.; Emp. of G. became that of Aust.-Germ. Confed. 1815 und. Pruss. influence in the N.; New Germ. Emp. und. Prussian influence 71.

Germinal, month of Fr. revol. calendar, 21/3–19/4.

Germs, zool., living organisms of very low ord. & microscopic size which pervade air & water & cause putrefaction, fermentation, & var. diseases, espec. zymotic ones.

Gernsheim, Fried., ♛, * 17/6 1839 Worms; director of Rotterdam Conserv. 74, composer.

Gérôme, J. Leon, Fr. ●, * 11/5 1824 Vesoul.

Gerona, prov. of Spain; 4,400 s.m., 305,000 inh. Cap. ◎, G.; bpric., ♚, cathed. 14th cent.; 15,000 inh.; captd. by Fr. aft. 7 mos.' siege 1809.

Gerrymander, to adjust polit. districts for party ends: from E. Gerry, gov. of Massachusetts.

Gers, dept. of S.W. Fr., part of old prov. of Gascony; 2,425 s.m., 284,000 inh. Capital ◎, Auch.

Gerson, J. de (Jean Charlier), Fr. †, * 14/12 1363, † 12/7 1429; /; cond. at Council of Constance.

Gerstäcker, Friedrich, travel & novel /, * 10/5 1816 Hamburg, † 31/5 72 Brunswick.

Gerstenberg, H. W. v., poet. & ◐ /, * 3/1 1737, † 1/11 1823 Altona.

Gervaise of Canterbury, Eng. ♛ /, * *ca.* 1150, † *ca.* 1205.

Gervase of Tilbury, /, 13th century. "Otia Imperialis."

Gervinus, Geo. Gottf., Germ. ♛ & polit. /, * 20/5 1805 Darmstadt, † 18/3 71.

Geryon, 3-headed giant vanqd. by Hercules.

Geselschap, Ed., ●, * 22/3 1814 Amsterdam.

Gesenius, Fried. H. W., orient. & crit. /, * 3/2 1786; prof. of † Halle 1811, † there 23/10 42. Hebr. & Chald. Lex. & Grammar.

Gesner, Conrad v., zool. & ♃ /, * 26/3 1516 Zurich, † 13/12 65.

Gessler, Albrecht, Austr. govr. of Uri, 14th century: oppd. by Tell.

Gessner, Salom., poet. / & artist, * 1/4 1730 Zurich, † there 2/3 88.

Gesta Romanorum, Latin = Deeds of the Romans; collectn. of Lat. stories, probably compiled by Elinandus 13th cent., & added to by Pierre Bercheur († 1362), &c.

Geta, Publ. Sept., * 189; Emp. of Rome w. Caracalla, wh. assd. h. 212.

Geyer von Geyersberg, Flor., German popular leader, † 9/6 1525.

Geysa, name of 2 kings of Hungary, 10th & 11th centuries.

Geyser, orifice in earth's crust that ejects water, contin. or at intervals; *e.g.*, in volc. distrs. of Iceland, New Zealand, Yellowstone Park: caused by subterr. form. of steam und. pressure.

Ghadames, *v.* Gadâmes.

Ghasel, a form of orient. poetry.

Ghasnavides, Turkish dynast. 960–1186.

Ghats, or Ghauts, 2 ⛰s of S. Ind. 1) E. G., on Madras coast. 2) W. G., on Bombay coast.

Ghazi, Turk. = victr. in relig. war.

Ghazipur, dist. of N.W. Provs. of Brit. Ind.; 2,167 s.m., 1,400,000 inh. Chief ◎, G.; 40,000 inh.

Ghazni, Ghuznee, ♚ Afghan., on G. ⚓; 5,000 inh.; captd. by Brit. 23/7 1839, re-captd. 6/3 42, re-captd. by British 6/9 42.

Ghebers, *v.* Guébres.

Ghee, Ind., a kind of butter.

Ghega, K. v., ⚙, • 13/6 1802 Venice, † 14/3 60 Vienna.

Ghent, Gand, or Gent, chief ⊙ Belg. prov. of E. Flanders, fnded. 7th cent.; cathed. 13th cent., bpric., univ. fnded. 1819; 140,000 inh.; ⚓. Pacific. of G. 1576; Fr. 1792–1814.

Gherardesca, Ugolino, Ghibelline dict. of Pisa; overthrown 1288.

Gherardi del Testa, T., poet., ⚲, & rom. ✓, • 1818, † 81.

Ghetto, Jewish quarter of a ⊙.

Ghibellines, Ital. supporters of Germ. Emp., oppd. to the Guelphs. (From Waiblingen, war-cry of Conrad at ⚔ Weinsberg 1140).

Ghiberti, Lor., ⚲ & founder, • 1378 Florence, † there 1455.

Ghika, 1] Alex., • 1795; hospodar of Wallachia 1834–48, † 62. 2] Greg., • 1807; hosp. of Wallach. 48, † by suic. 57.

Ghilzai, tribe in ⛰ W. of Panjab. G. Dyn., Emps. of India 1288–1321.

Ghirlandajo (D. di T. Bigordi), ●, • 1449 Florence, † there 11/1 94.

Ghizeh, Egyp. vill. nr. Pyramids.

Ghose, Lalmohun, Hindu patr., • 1849 Kishnaghur.

Ghost Moth, entom., the moth, *hepialus humuli.*

Ghyczy, Koloman v., Hung. polit., • 2/2 1808 Komorn; Min. 48, 74.

Giacometti, P., trag. ✆ ✓, • 19/3 1816, † 6/8 82 Rome.

Giacosa, Gius., com. ✆ ✓, • 21/10 1847 Piedmont.

Giant Powder, earth saturd. with nitro-glycerine: dynamite.

Giaour, Turk. = dog: Mahom. name for an unbeliever.

Gibbon, zool., gen. of anthropoid apes, incldg. siamang, &c.

Gibbon, 1] Edw., ✍ ✓, • 27/4 1737 Putney, † 15/1 1794 London; "Decline & Fall of Roman Emp." 76–87. 2] Charles, novel ✓, • *ca.* 1840.

Gibbons, 1] Grinling, wood carver, • 1648 Rotterdam; employd. by Chas. II., † 1721. 2] Orlando, ♪, • 1583 Cambridge, † 1625

Gibbs, 1] James, △, • 1674 Aberdeen; blt. Radcliffe Library, † 1754. 2] Joseph, ⚙, • 1798, † 1864. 3] Sir Vicary, ⚖, • 1751; Sol.-Genl. 1805, Att.-Genl. 07, Chf. Just. of Comm. Pleas 13–18, † 20.

Gibraltar, Brit. ⚓ ⚓, S. Spain, at entr. of Mediterr., on penin., 1,439 ft. high; ⊙, 24,000 inh. Captd. by Brit. 13/7 1704, besieged 1704-5, 1727, 1779–82; *ca.* 2 s.m.; rev. *ca.* £45,000, expenditure *ca.* £47,000.

Gibson, 1] John, ⚲, • 1790 Conway, † Rome 27/1 1866. 2] Thos. Milner, polit., • 1807; M.P. 41, Presdt. of Bd. of Trade 59–66, † 25/2 84. 3] Edw., 1st Baron Ashbourne, ⚖ & polit., • 1837, M.P. 75, Att.-Genl. for Ir. 77–80, Lord Chanc. of Ir. 85.

Giers, Nich. Karlovich de, Russ. statesm., • 1820; memb. of Counc. of State 56; Min. to Pers. 69, Swtz., Swed.; Direct of Asiat. Dept. of For. Off. 75, For. Min. 82.

Giesebrecht, W. v., ✍ ✓, • 5/3 1814 Berlin; prof. at Munich 62.

Gieseler, J. K. L., † ✍, • 1792 Petershagen, † 54. "Church Hist."

Giessen, ⊙ Hesse, on Lahn; univ. founded 1607; 17,000 inh.

Giffard, v. Halsbury.

Giffen, Robert, statist., • 1837 Strathaven; Chf. of Statist. Dept. of Bd. of Trade 76, & Ass. Sec. 82, prop. of *Statist.*

Gifford, 1] Wm., crit. ✓, • 1756 Ashburton; ed. *Anti-Jacobin, Quarterly Rev.* 1809–25, † 26; "Baviad" 1794. 2] Robert, 1st Lord, ⚖, • 1779 Exeter; Att.-Genl. 19, Chf. Just. of C. Pleas & peer 24, † 26 Dover.

Gig, 1] light 2-wheeled 1-horsed carriage. 2] ⚓, clinker-blt. boat, 20–28 ft. long, w. 4, 6, or 8 altern. oars.

Gil y Zarate, Ant., ✆ ✓, • 1/12 1793 Escorial, † 3/2 1863.

Gilbert, 1] Sir Humphrey, ⚓ & navig., half-b. of Sir W. Raleigh, • 1539; occupied Newfoundland 83, lost at sea on ret. 83. 2] Wm., nat. ⚓ & ♪, • 1540 Colchester, † 1603. 3] Alfred, ⚲, • 1854 Lond.; A.R.A.

87. 4] Anne, *née* Taylor, • 1782, † 1866; ✓, w. her sist. Jane, "Orig. Poems for Infant Minds" 1804. 5] Davies (Giddy), statist., nat. ♫, & ✓, • 1767, † 1839. 6] Sir John, ✓, • 1817; kntd. & Presdt. of Soc. of ✓s in Water Cols. 71, A.R.A. 72, R.A. 76. 7] Wm. Schwenk, poet. & ✓, • 1836 Lond.; "Bab Ballads," *Pal. of Truth*, 70, *Pygmalion & Galatea* 71, *Sweethearts* 74, *Dan'l Druce* 76, *Engaged* 77, *Trial by Jury* 76, *Sorcerer* 77, *Pinafore* 78, *Pirates of Penzance* 80, *Patience* 82, *Iolanthe* 83, *Poss. Ida* 84, *Mikado* 85, &c. 8] His fath., Wm., nov. ✓, • *ca.* 1811.

Gilbert, St., 1] • *ca.* 1083 Sempringham; fnded. G. 'ine Or. of mnks. & nuns. 2] of Auvergne, † 1152.

Gilbert Islands, grp. in Pacif. O., und. equator. Chf. isles: Knox, Drummond, Sydenham; 65,000 inh.

Gilchrist, Alex., biog. ✓, • 1828, † 61. "Life of Blake."

Gildas, or Gildus, Eng. ✓, • *ca.* 516, † *ca.* 570.

Gildemeister, Otto, • 13/3 1823 Bremen; transl. Byron, &c.

Giles, St., *v.* Egidius.

Giles, Ernest, Austral. travl., • *ca.* 1842; to W. Austral. 72, 74, 76, 82.

Gilfillan, Rev. George, crit. & essay ✓, • 1813 Comrie, † 13/8 78.

Gill, or *Branchiæ*, apparatus of fishes for oxidising the blood by means of air from water.

Gill, or Quartern, Eng. meas. of capac. = ¼ pint = 5 fluid ounces = 8·665 cubic inches.

Gill, John, Bapt. † ✓, • 1697 Kettering, † 1771 London.

Gillray, James, etcher & caricat., • 1757 Chelsea, † 1815 London.

Gillyflower, the wallflower (*q.v.*), or stock (*q.v.*).

Gilm, Herm. v., lyr. ✓, • 1/11 1813 Vorarlberg, † 31/5 64.

Gilpin, Bernard, English evang. †, • 1517 Kentmere, † 1583 Houghton-le-Spring.

Gilthead, ichth., *chrysophrys aurata*; Mediterranean, &c.

Gin, or Geneva, spirit distilled from malt or barley, flavoured w. juniper berries, &c.; diuretic.

Ginevra, Guinevere, k. Arthur's wife.

Ginger, rhizome, or root-like stem of *zingiber officinalis* of E. & West Indies & America.

Gingko, sacred tree of China & Japan, of sub-order *taxineæ*.

Ginkel, Godart van, earl of Athlone, ✕, • 1630 Utrecht; com.-in-chief in Ireland, † 1703.

Ginsburg, Christ. D., Hebrew philol. & ✓, • 1850 Warsaw, memb. of O. Test. Revis. Co.

Ginseng, dried root of *panax schinseng*; universal ✓ in China.

Gioberti, V., schol. & statsm., • 5/4 1801 Turin, † 26/10 52 Paris. ✓.

Giocoso, Ital. = sportively. ✓.

Gioja, Melch., Italian patriot & statist. ✓, • 1767 Piacenza, † 1828.

Giordano, Luca (Fapresto), ✓, • 1632 Naples, † there 12/1 1705.

Giorgione (G. Barbarelli), ✓, • 1477 Castelfranco, † 1511 Venice.

Giotto (G. di Bondone), Ital. ✓, ✓, & ✓, • 1276, † 1336.

Gipsy, Eng. name of nomad. race scattered over Europe & W. Asia; prob. from India; also called Zingari, Tziganes, Gitanos, Zigeuners, & Bohemians: call themselves Romany; no religion; live in tents & "caravans;" first in Eur. 1418.

Giraffe, or Camelopard, zool., *camelopardalis giraffa*, Africa.

Giraldus Cambrensis, *v.* Barri.

Girard, Ph. H. de, ✓, • 1/2 1775 Lourmarin, † 26/8 1845; invented spinning machine.

Girardin, 1] Émile de, Fr. polit. & journ. ✓, • 22/6 1806 Switz., † 27/4 81 Paris. 2] His 1st wife, *née* Delphine Gay (*q.v.*).

Girasol, 1] blu.-white var. of opal. 2] It. name for sunflower, artichoke, &c.: hence *Jerusalem* artichoke.

Girodet (G. Trioson de Roussy), A. Louis, Fr. ✓, • 1767, † 1824.

Gironde, marit. dept. of S.W. Fr., part of old prov. Guienne; 3,761 s.m., 737,000 inh. Chf. ✓, Bordeaux.

Girondists, Girondins, French

moderate repubs. of 1st revol., the membs. of Legis. Ass. for Gironde being Moderates; extingd. by Terrorists; incld. Roland, Brissot, &c.

Giskra, K., statesm., * 29/1 1820 Trubau, † 1/8 79.

Gisors, ⊙ Eure, Fr.; 3,700 inh.; ⚔ 10/10 1198, French deftd. by Eng.

Giulio Pippi Romano, ☻, △, & ⊕, pupil of Raphael, * 1492 Rome, † 1546.

Giurgevo, Roum. ⊙ on Danube; port of Bucharest; 21,000 inh.: ⚔s 8/7, 23/7 1854, Rus. deftd. by Turks.

Giusti, Giuseppe, Ital poet. ✓, * 13/5 1809, † 31/3 50 Florence.

Giusto, Ital.= just: 𝄴, strict, moderate; *a tempo G.*, at a mod pace

Glacial Epoch, ⚒, period of intense cold in N. hemisphere, from pole to lat. 50°, when large tracts were covd. w. ice & glaciers, signs of wh. are now seen in polished stones, perched blocks, & fossil remains. *See* Geikie's "Great Ice Age."

Glacier, a mass of ice continually descending from the snow-line of a ▲, where it is reinforced, to the valleys, where it melts.

Glacière, ⊕, cavern full of ice.

Glacis, fortificatn., mass of earth sloping from ditch to level of surround. country, so as to expose its surface to the fire of the ⊕

Gladiator, in anct. Rome a prof fighter in the arena: their combats prohibited 325.

Gladiolus, ✿, gen of plants w. sword-shaped leaves, of ord *Irideæ*.

Gladstone, 1] Wm. Ewart, Eng statesman & ✓, * 29/12 1809 Liverpool; at Eton 21–27, at Christ Ch, Oxford, 29–31, M.P. for Newark 32, Jun. Ld. of Treas 34, Vice-Presdt. of Bd. of Trade 41, Presdt. 42–45, Colon. Sec., M.P. Oxford Univ. 47 Chanc. of Exchequ. 52, High Comr. to Ionian Isles 58, Chanc. of Exchequ 59–66, & Prem. 68–74, 80–85, Feb.–July 86. ✓ "State in its Relats. w the Church" 38, "Studies on Homer" 58, "Juventus Mundi" 69, "Vaticanism" 75, "Homeric Synchronism" 76, &c. 2] His youngest s., Herbt. J., * 1853; M.P. Leeds 80, Jun. Ld. of Treas., Fin Sec of War 85.

Glaisher, James, aëronaut, * ca. 1807; F.R.S. 49. ✓.

Glamorgan, ⚓ co. of S. Wales: 854 s.m., 513,000 inh.; rets. 5 M.P.s: Mid (Vale of Neath), S., E., W. (Gower), Rhondda Valley.

Gland, organ wh. elaborates fr. blood secrets. such as tears, urine, saliva, milk, sweat, bile: consts. of vesicle or clust. of vesicles. In plant, G is a collection of secretory cells

Glanders, inflamm. disease of gland. syst of horse, donkey, mule.

Glanvil, Ranulph de, ⚜ ✓; Chf. Justice of England, † 1190.

Glapthorne, H., poet. & ☉ ✓, * ca. 1615, † ca 45.

Glarus, canton of N.E. Switz.; 265 s m., 35,000 inh.; indep. since 1388 Cap ⊙, G.; 6,000 inh.

Glaser, Ad., ☾ & misc. ✓, * 15 12 1829 Wiesbaden.

Glasgow, largest ⊙ Scotland, on Clyde; shipbldg.; univ. 15th cent., rebuilt 1871, High Church (anct. cathed.); pop., with subs, 620,000; rets 7 M.P.s: C., Blackfriars, Bridgeton, Camlachie, College, St. Rollox, & Tradeston divs. Univ, w that of Aberdeen, rets. 1 M.P.

Glass, material mnfd of metal. oxides & silica fused with alkali; first used for windows 1st cent. B.C., in Eng. 7th cent. Flint G., potash, silica, oxide of lead. Crown G., soda, silica, lime. Bohemian G., potash, lime, silica. Bottle G., soda, lime, silica. Crown G. is blown; Plate G cast; Toughened G cooled in hot oil; Iridescent G. heated under pressure in water contg hydrofluoric acid.

Glassbrenner, Ad. ("Brennglas"), hum. & satir. ✓, * 27/3 1800 Berlin, † there 25/9 76.

Glass Crabs, zool *phyllosomata*, small transpart crustaceans; prob. larvæ of *podophthalmata*.

Glasse, Mrs., pseud. of Dr. John Hill, * 1716, † 75. ✓ Cookery Book.

Glasswort, ✿, gen. *salicornia*,

found in marshes; often erron. called samphire: eaten as pickles.

Glastonbury, ⊙ Somersetsh.; ruined abbey, fnded. 60; 3,800 inh.

Glauber, J. Rud., alchem. & ♁, * 1603 Carlstadt, † 68 Amsterdam.

Glauber's Salt, pharm., sulphate of sodium; bitter saline purg.

Glaucoma, ♁, a dis. due to too grt. tension in humours of the eye.

Glaucus, Grk. myth., a sea-god; originally, a fisherman of Bœotia.

Glee, ♪, compstn. for 3 or more voices, formg. series of interwoven melodies. Best comps.: Webbe, Boyce, Bishop, Callcott, Goss.

Gleichen, Prince Victor Ferd. of Hohenlohe, Count, R.N., ♁, * 11/11 1833; retd. v.-adm. 81, govr. of Windsor Castle.

Gleichen-Russwurm, Emilie v., youngest child of Schiller, ✓, * 25/7 1804 Weimar, † 25/11 72.

Gleig, Rev. G. R., misc. ✓, * 1796; Chap.-Genl. to Forces 1846–75. "The Subaltern," &c. † 9/7 88.

Gleim, J. W. L., Germ. poetical ✓, * 2/4 1719 Ermsleben, † 18/2 1803 Halberstadt. War songs.

Glencoe, pass in N. Argyllsh. Massacre of G., 14/2 1692, 30 or 40 membs. of clan Macdonald murd.

Glendower, or Glendwr, Owen, Welsh leader, * *ca.* 1350; oppd. H. IV., defeated, † *ca.* 1415.

Gliddon, G. R., Amer. Egyptol. & ethnl., * 1807 Cairo, † 57 Panama. ✓.

Glinka, Mich., Russian ♪, * 1/6 1804 Nowospask, † 2/2 57 Berlin. ✓ "Life for the Tsar."

Glissando, Ital. = glidingly. ♪.

Globe, The, London even. newspaper, estd. 1803; Whig till 66, now Consv. Ed., Capt. G. C. Armstrong.

Globe Fish, ichth., a fish of gen. *diodon;* can inflate its body, wh. is covered with spines: tropic seas.

Globe Flower, ♁, gen. *of ranunculaceæ,* N. Amer.; cultd. in gardns.

Gloria in Excelsis, Latin = Glory (to God) in the Highest; first words of Roman Catholic hymn, founded on Luke ii. 14.

Glorious 1st of June, 1794; Lord Howe's ⚓ vict. over French.

Gloss, explan. remark or note.

Glottis, anat., the opening of the larynx into the pharynx.

Gloucester, a West. Midl. co. of Engl.; 1,258 s.m., 580,000 inh.; rets. 5 M.P.s,: M. (Stroud), N. (Tewkesbury), S. (Thornbury), E. Cirencester), & Forest of Dean divs. Chf. ⊙, G., on Severn; cathed. 16th cent., bpric.; 40,000 inh.; rets. 1 M.P.

Gloucester, Robt. of, rhyming ♛ ✓, † *ca.* 1300.

Glover, 1] Richd., poet. & ♁ ✓, * 1712, † 85. 2] Mary, *nee* Betterton, com. ♁, * 1782; jnd. stage 87, † 1850. 3] Sir J. Hawley, statsm., * 1829 Cologne; R.N., govr. of Lagos, kt. 74, govr. of Newfndland. 76-81, 83, of Leewards 81-83, † 13/9 85.

Glow-worm, entom., a beetle, *lampyris noctiluca:* the wingless female emits phosphorescent light; male has wings, but emits little light; eggs & larvæ also luminous.

Gloxinia, ♁, gen. of *gesneraceæ* of tropical America.

Glucinum, *v.* Beryllium.

Gluck, Christoph. Willibald, ♪ comp., * 2/6 1714 Weidenwang, † 25/11 87 Vienna. *Alceste, Orfeo, Iphigénie en Tauride.*

Glück, Elis. ("Betty Paoli"), Austrian poetess, * 30/12 1815 Vienna.

Glucoses, ⚗, a group of carbohydrates, inclg. dextrose, $C_6H_{12}O_6$ (glucose or grape-sugar); lævulose, in honey; galactose, in milk.

Glue, impure gelatine from hoofs, hide, &c.

Glümer, Claire v., nov. ✓, * 18/10 1825 Blankenburg.

Gluten, ⚗, organic subst. contng. carbon, hydrogen, oxygen, nitrogen, & sulphur; mixture of veget. fibrine, casein, & gliadin; occurs espec. in wheat; a proteid; very nutritious.

Glutton, ♁. Wolverine.

Glycerine, ⚗, $C_3H_8O_3$, glycerol, comp. existing in anim. & veg. fats in comb. w. fatty acids; obtnd. by decomp. w. alkalis or metal. oxides,

or by super-heated steam; used as lubricant, for nitro-G. mnf., & in ☄.

Glycirrhiza, pharm., liquorice root, from *G. glabra.*

Glycon, Athen. ☉, *ca.* 100 B.C.

Glyn, Isab., trag. ☾, * 22/5 1825 Edinburgh; joined stage 47, m. Mr. Dallas 53, divcd. 74.

Glynn, Joseph, ⊕, * 1799 Newcastle-on-Tyne, † 1863.

Gnat, entom., the gen. *culicidæ*, esp. *culex pipiens*, of ord. *diptera*; lives, as a caterpillar, in water.

Gnauth, Ad., △, * 1/6 1840 Stuttgart.

Gnawers, *v.* Rodentia.

Gneisenau, Aug., Count N. v., Pruss. genl., * 27/10 1760 Schilda; chf. of Genl. Staff 15, † 24/8 31 Posen.

Gneiss, ⚒, a foliated rock containing mica, quartz, feldspar.

Gneist, Rud., constit. ⚖ & ⁄, * 13/8 1816. "History of English Constitution" 86.

Gnome, an earth spirit.

Gnostics, name of sev. heretical sects, princily. of first three cents.; semi-Platonic or Pythagorean. Chf. teachs.: Saturninus, Basilides, Cerinthus, Prodicus, Carpocrates

Gnu, zool., spec. of S. Afr. antelope, *catoblepas gnu*, w. curvd. horns.

Goa, Port. colony on W. coast of Ind.; 1,062 s.m., 400,000 inh. Cap. ⊙, G. (Panjim); *ca.* 14,000 inh.

Goa Powder, an E. Ind. specif. for skin diseases.

Goalpara, distr. of Assam; 2,865 s.m., 410,000 inh. Chf. ⊙, G.

Goat, zool., the gen. *capra*; esp. domest. G., *C. hircus*, & paseng, *C. ægagrus.*

Goat-moth, entom., *cossus ligniperda.*

Goat-sucker, ornith., *caprimulgus europæus*; breeds in Brit.

Gobelins, tapestry manfd. in Paris at works founded by Jehan Gobelin, dyer, † 1476.

Goby, ichth., any fish of family *gobiidæ*, esp. rock fish & spotted G.

Göckingk, L. F. G. v., German poet. ⁄, * 13/7 1748, † 18/2 1828.

Godavari, 1] ⅄ India; flows 900 m. from W. Ghats to Bay of Bengal. 2] District of Madras, B. India; 7,345 s.m., 1,600,000 inh. Chief ⊙, Cocanada.

Godefroy, J. C., fndr. of German trade w. Samoa, * 1/7 1813 Kiel.

Godfrey, *v.* Bouillon.

Godfrey, 1] Sir Edmundbury, Lond. magistr.; murd., prob. by R. Catholics, 1681 Primrose Hill.

Godin, 1] Amélie (A. Linz), rom. ⁄, * 22/5 1824 Bamberg. 2] M., fnder. of Familistère, Guise, 1860.

Godiva, wife of Leofric, E. of Mercia; rode naked thro' Coventry to save liberties of inhs. 1040.

Gödöllö, Hung. ⊙; 3,800 inh.; royal castle.

Godolphin, Sydney G., earl of, Eng. statesman, * 1640; envoy to Holl. 78, Sec. of State 84, Lord Treasurer 1702, † 1712.

Godoy, Man., Duke of Alcudia ("Prince of the Peace"), Spanish statesm., * 12/5 1767 Badajos; fav. of Maria Louisa, Min. 92–98, dictator 1801–8, † 7/10 1851 Paris.

Godunoff, 1] Boris F., Russ. Gd.-Dk., * 1552; usurped crown 98, † 13/4 1605. 2] His son, Feodor; Tsar 1605, murd. 10/6 05.

Godwin, 1] Wm., rom. & ☾ ⁄, * 3/3 1756 Wisbech, † 7/4 1836 London; "Caleb Williams." 2] George, △ ⁄, * 1815, † 27/1 88. 3] Mary, w. of 1, *nee* Wollstonecraft, misc. & polit. ⁄, * 1759, † 97.

Godwin, Earl, * *ca.* 990; regent of Wessex, Min. of Edw. the Confessor, outlawed 1051–52, † 15/4 53.

Godwin Sands, off coast of Kent, submerged by inund. 1100.

Godwit, ornith., gen. *limosa.*

Goeben, Aug v., Pruss. genl., * 10/12 1816 Stade; vict. at ✕ St. Quentin 71, † 13/11 80 Coblentz.

Goedeke, Karl, ♛ ⁄, * 15/4 1814 Celle.

Goethe, J. Wolfgang v., Germ. poet. ⁄, * 28/8 1749 Frankfort-on-Main: educ. at Leipzig & Strasburg. ⁄ *Götz* 73, "Werther," *Clavigo*

74–75, in Italy 86–88; ✓ *Egmont* 85, *Iphigenie* 86, *Faust* (1st part) 90, &c.: † 23/3 1832 Weimar

Goeze, J. M., † & ✓, * 16/10 1717, † 19/5 86; opposed Lessing.

Gog and Magog, Brit. myth., last survivs. of race of Brit. giants. Patrons of City of London.

Gogol, Nic., Russ. nov. & ✓, * 19/3 1809 Sorotschinzi, † 21/2 52 Moscow.

Gogra, *v.* Ghogra.

Gohren, Karl T., ✓ ⚗, * 25/2 1836 Jena.

Goitre, ✱, bronchocele, wen, or Derby neck; caused by enlarg of thyroid gland: hered. amongst *Cretins* in ▲ous districts.

Gojim, Heb. = not Jews.

Golconda, anct. ⊙ Haidarabad, once famed for diamond-cutting.

Gold, ⚗, tretratom. metal. element; atom. wt. 196; melts at *ca.* 1240°; ductile, malleable, unaffectd. by air; first coind. in Eng. 1257; standard in Eng., G. 11, alloy 1.

Goldbeater's Skin, fine membrane from large intestine of ox.

Gold-beating. One gr. of gold can be beaten out to 56·75 sq. ins.

Gold Coast, Guinea, Afr.; colonised by Eng. 1672, incrsd. by Dut. cessns. 6/4 1872; 16,620 s.m., 550,000 inh. Chf. ⊙, Cape Coast Castle.

Golden-crested Wren, ornith., *regulus cristatus.*

Golden Bull, 1356, mandate of Emp. Chas. IV. as to election of the 7 Electors.

Golden Eye, *v.* Garrot.

Golden Fleece, *v.* Orders. In Grk. myth., fleece of ram carried from Colchis by Jason.

Golden Horn, bay of the Bosphorus, harbr. of Constantinople.

Golden Number, To find the. Add 1 to the No. of the year, & div. by 19. Remainder, or, if none, 19, is the G. N., which indicates cycle of the moon.

Golden Rod, ✱, *solidago virgaurea.*

Golden Rose, mark of favour sent by Pope to distingd. persons.

Goldfinch, ornith., *carduelis elegans.*

Goldfish, ichth., golden carp, *cyprinus auratus;* introduced to England from China 1691.

Goldmark, Karl, Austr. ♪, * 18/5 1832; opera ✓.

Goldoni, Carlo, Ital. ✓, * 1707 Venice, † 6/2 93 Paris.

Goldschmidt, 1] Herm., ✎, * 17/6 1802 Frankfort-on-Main, † 10 9 66. 2] Levi, ⚖, * 30/5 1829. ✓. 3] *v.* Lind, Jenny.

Goldsmith, Oliver, poet., rom., & ✓, * 10/11 1728 Pallas, Ireland, † 4/4 74 London. "Vicar of Wakefield" 66, "Deserted Village" 70, *She Stoops to Conquer* 73.

Goldstücker, T., Sanscr. schl., * 18/1 1821 Konigsberg, † 6/3 72 Lond.

Golgotha = place of a skull; near Jerusalem: crucif. of Christ.

Goltz, Bogumil, humorous ✓, * 20/3 1801 Warsaw, † 12/11 70 Thorn.

Gomes de Amorim, F., Port. poetical & ✓, * 13/8 1827 near Oporto.

Gomm, Sir Wm. M., Brit. ⚔ offr., * 1782; lt.-col. 1815, field-marshal 68, † 15/3 75.

Gomuto Palm, ✱, *saguerus saccharifer* of E. Inds.; yields sago.

Goncourt, 1] Edm. de, ✎ & rom. ✓, * 26/5 1822 Nancy. 2] His brother, Jules, rom ✓, * 17/12 1830, † 20/6 70 Paris.

Gonda, district of N.W. Provs., British India; 2,824 s.m., 1,175,000 inh. Chief ⊙, G.

Gondinet, Edm., Fr. ✓, * 1829 Laurières, † 19/11 88.

Gondola, flat-bottomed narrow boat of Venice, propld. by pushing.

Gongora y Argote, Luis de, Span. poet. ✓, * 11/6 1561 Cordova, † there 24/5 1627.

Goniometer, instr. for measg. angles of crystals.

Gonsalvo de Cordova, Gonzalo, F. (*q.v.*).

Gontscharoff, Ivan, Russ. ✓, * 6/6 1813 Simbirsk.

Gonville and Caius College, Cambridge, founded 1348.

Gonzaga, Ital. fam. in Mantua 1328–1708; in Guastella till 1746.

Gonzales, Man., Mex. statesm.; President 1880–84.

Gonzalo, Fernandez ("The Grt. Captain"), Span. ✕ comdr., • 1453, + 1515 Loja.

Good Templars, Indep. Ord. of: temper. & benev. soc., fnded. 1851 N. York; extend. 68 to Grt. Brit. by Jos. Malins; Brit. Ord. seceded 76.

Goodall, Frederick, ●, • 1822; R.A. 63.

Goodrich, 1] Thos., bp. of Ely; Ld. Chanc. 1551, + 54. 2] Samuel Griswold ("Peter Parley"), Amer. /, • 19/8 1793 Ridgefield, Conn., + 9/5 1860 New York.

Goodwin, Thos., Nonconf. †, • 1600 Rollesby, + 69 London. /.

Goodwin Sands, v. Godwins.

Goorkha War, endg. in cess. to Brit. of Terai, Sikkim, &c., 1814–16.

Goosander, ornith., the duck *mergus merganser.*

Goose, ornith., the genus *anser.*

Gooseberry, ✱, the bush or fruit of *ribes grossularia.*

Goosefoot, ✱, the gen. *chenopodium.*

Göppert, H. R., ✱, • 25/7 1800 Sprottau.

Gorakhpur, distr. of Benares, Brit. Ind.; 4,578 s. m., 2,025,000 inh. Chief ⊙, G.; 52,000 inh.

Gordian Knot, v. Gordius.

Gordianus, name of 3 Roman Emperors, 3rd century.

Gordius, name of sev. kings of Phrygia; from one of wh. the Gordian knot, wh. Alex. cut w. sword.

Gordon, 1] Chas. Geo., Eng. ✕, • 1833 Woolwich; servd. in Crimea, Spec. Commissr. to Caucasus 58, in China 60, in Chin. serv. agst. Taepings 62–64, chf. ⊕ offr. at Gravesend 65–71, consul at Galatz 71, to Egypt 73, Govr.-Genl. of Soudan 74–79, priv. sec. to Govr.-Genl. of Ind. 80, to China 81, Govr.-Genl. of Mauritius, major-genl., to Basutoland 83, sent to pacify Soudan 84, killed 26/1 85 Khartoum. 2] Lord Geo., polit. & relig. fanatic, • 1750, son of Duke of G.; leader of Prot. Assocs., caused anti-R. Cath. riots in London 2–7/6 80, + 93 in Newgate. 3] Patrick, Scot. adventur., • 1635; fght. for Sweden & Poland 55–61, Russia 61, + 99. 4] Sir J. Watson, Scot. ●, • 1788 Edinburgh; Presdt. R. Scot. Acad. 1850, + 1/6 64. 5] Lucy, Lady Duff G., /, • 1821, + 14/7 69. 6] Hon. Sir Arthr. Hamilton, statesman, • 1817; governor of Fiji 74, of New Zealand 80, of Ceylon 83.

Gore, Mrs. Cath. Grace, nov. /, • 1799 East Retford, + 1861 Lynwood.

Goree, Fr. island off Senegamb.; colond. by Dutch 1617. Eng. 1758, 79–85, 1801.

Görgei, Arth., genl., • 5/2 1818; comdr. of Hung. army 49, dictator 11/8 49, surrend. to Russ. 13/8, imprisoned till 68.

Gorgons, 3 daughtrs. of Phorcys: Stheino, Euryale, & Medusa, whose glances petrified.

Gorgonzola, ewe-milk cheese from G., N. Italy.

Gorilla, zool., *troglodytes gorilla,* anthropoid ape of equinoctial Afr.

Görner, Karl Aug., ☾ & ☾ /, • 29/1 1806 Berlin, + 9/4 84.

Gorodayn Shonsui, Japanese potter, 16th cent.; introduced blue decoration under glaze.

Gorse, ✱, furze (*q.v.*).

Gorsedd, proclamation of an eisteddfod.

Gorst, Sir John Eldon, statesm. & jr., • 1835; knt., Sol.-Genl. 85–86, Polit. Sec. Ind. Off. 86.

Gortschakoff, 1] Mich., Prince, Russ. gen., • 1792: commd. in Crimea 1855, govr. of Poland 56, + 19/5 61 Warsaw. 2] His cous., Alex., Prince, Russ. statesm., • 16/7 1798; For. Min. 1856, Chanc., resigned 80, + 11/3 83 Baden-Baden.

Görz and Gradiska, princip. of Aust. crown ind., w. separ. parlt.

Göschen, 1] Geo. J., publshr., • 1752 Bremen, + 5/4 1828 Leipzig. 2] Geo. Joachim, Eng. statesm., • 1831; M.P. 63, Vice-P. Board of Trade 65, Chanc. of Duchy 66, Presdt. of Poor

Law Board 68, First Ld. of Adm., to Egypt 76, Chanc. of Exchequ. 87. /.

Goshawk, ornith., a Brit. bird of prey, *astur palumbarius*.

Goss, Sir J., ♛, * 1800, † 10/5 80.

Gosse, 1] Phil. Hy., naturalist, * 1810, † 23/8 88. /. 2] His son, Edm. W., poet. & philol. /, * *ca.* 1839.

Gosson, Steph., Eng. /, * 1554, † 1623.

Goszler, Gust. v., Pruss. statesman, * 13/4 1838; Min. of Education 81.

Goszmann Frederica, com. ☾, * 23/3 1838 Wurzburg; m. 61 to Cnt. v. Prokesch-Osten.

Got, Franç. Jules, Fr. comic ☾, * 1822; joined stage 44, Soc. of Comédie Française 50.

Gotha, cap. ⊙ Saxe-Coburg-G.; 27,000 inh.

Gotha Canal, between Gothenburg & Stockholm; 383 m.

Gothenburg System, introd. at G., 1865; farms out right of selling spirits to a co., wh. tries to minim. consumption, & devotes all profits over 6 p.c. to public objects.

Gothic, △, style which arose *ca.* 1200 in Northern France.

Goths, anct. Germ. race wh. in 3rd century crossed the Danube & penet. to Greece & the Bosphorus; later divd. in 2 parts, East G. & West G. Latter, und. Wallia, fnded. emp. in S. Fr. & N. Sp., but 711 were overthr. by Arabs. Former fnded. emp. under Theodoric 493 in Italy, but 555 were overthr. by Narses.

Göttingen, Hanov. ⊙; univ. fnded. 1734 by Geo. II. of England; 16,000 inh.

Gottschall, Rud. v., editor, & poet. & misc. /, * 30/9 1823 Breslau.

Gottsched, J. Christ., German lit. reform. & crit. /, * 2/2 1700, † 12/12 66 Leipzig.

Goudimel, Claud, eccles. ♛, * 1500 near Avignon, † 24/8 72 Lyons

Gough, 1] John B., temperance orator, * 1817 Sandgate, Kent, † 15/2 86 Philadelphia. /. 2] Hugh, Visct., ⚔, * 3/11 1779; commd. in China 1837, bart., c.-in-chf. in Ind. 43, deftd. Sikhs, fld-marsh. 62, † 2/3 69.

Goulburn, 1] Hy., statesm., * 1784; Sec. for Ireland 1821–28, Chanc. of Exchequ. 28–30, Home Sec. 34, Chanc. of Exchequ. 41–46, † 56. 2] Edw. Meyrick, † /, * *ca.* 1818; Dean of Norwich 60, res. 88.

Gounod, Charles Franç., ♛, * 17/6 1818 Paris; operas: *Faust*, *Romeo & Juliet*, *Queen of Sheba*.

Goura, or Crowned Pigeon, ornith., *goura coronata*; Java.

Gout, ✝, disease caused by excess of urate salts in the blood.

Gower, John, Eng. poet. /, * *ca.* 1325 Kent, † 1408 Southwark.

Gowrie Conspiracy, attempt by the earl of G. to assas. Jas. VI. of Scotland 5/8 1600 near Perth.

Goyen, Jan van, landscp. ●, * 13/1 1596 Leyden, † 30/4 1666 Hague.

Gozo, Brit. island nr. Malta; 36 s.m., 17,000 inh. Chf. ⊙, Rabato.

Gozzi, Carlo, Count, ☾ /, * 1722 Venice, † there 4/4 1808.

Gozzoli, Benozzo, Florent. ●, * *ca.* 1420, † *ca.* 1496.

Graal, cup from which Christ drank at the Last Supper.

Grabbe, C. D., ☾ /, * 14/12 1801 Detmold, † there 12/9 36.

Gracchus, 1] Tiber. Sempron., Rom. statesm., tribune of the plebs. 187 B.C. 2] His s. T. Sempron., trib. of the plebs. 133 B.C. 3] His bro. Caius Sempron., trib. of the plebs. 123–122 B.C. 4] W. of 1, Cornelia, dau. of Scipio Afr. the Elder.

Graces, class. myth., Euphrosyne, Aglaia, Thalia, daughters of Jupiter, attendant on Venus.

Gräfe, 1] K. Ferd. v., surg., * 8/3 1787 Warsaw, † 4/6 1840. 2] His s. Albrecht v., ophthal. surg., * 1828 Berlin, † there 20/7 70.

Grafting, artif. applic. of shoot from one plant to that of another, so that they vitally coalesce. Inn. bark of both must be in contact.

Graham, 1] John, of Claverhouse, Visct. Dundee, Scot. patr.,

• 1643; deftd. by Covenanters ⚔ Drumclog 1/6 1679, peer 88, + at ⚔ Killiecrankie 27/6 89. 2] Sir Jas. G. R., statesm., • 1/6 1792 Naworth; M.P. 1818, 1st Ld. of Adm. 30–34, 52–55, Home Sec. 41–46, + 26/10 61 Netherby. 3] Sir Gerald, ⚔, • 1831; in Crimea (V.C.), China, Egypt, gained ⚔s El Teb 29/2 & Tamai 13/3 84.

Graham's Land, Antarctic C., discovered by Biscoe 1832.

Graham's Law, *v.* Diffusion.

Grahame, Jas., Scot. poet. ✓, • 1765 Glasgow, † 1811.

Grain, Eng. weight = (avoird.) $\frac{1}{27}$ drachm. In Troy, 24 grs. = 1 dwt. In Apoth. wght. 20 grs. = 1 scruple. The Avoird. oz. = 437½ grains. All the grains are equal.

Grainger, Jas., ♪ & poet ✓, • 1723, † 67.

Grallatores, ornith., order of long-legged birds, includg. storks, cranes, herons, snipes, curlews.

Gram, chick-pea (*q.v.*).

Gramme, metric unit of wght. = 15 43235 grs., wght. at Paris of cub. centimtr. of water at 39·2° (4° Cent.).

Gramme Machine, form of dyn.-electric machine. (*v.* Plate.)

Gramont, Philibert, Ct. de, Fr. memoir ✓, • 1621, † 1701.

Grampus, zool., marine mammal, *phocæna orca*, akin to porpoise.

Granada, Span. prov.; 4,987 s.m., 485,000 inh. Cap. ⊙, G.; cathed. fnded. 1529, univ. fnded. 1531, Alhambra fnded. ca. 1273; anct. cap. of Moorish kings; 80,000 inh.

Granada, New, *v.* Columbia, U.S. of.

Grand Jury, Eng. ⚖, prelimy. jury, gently. of 23 freeholders, of wh. 12 must agree before a crim. indictment can be carried to a petty jury.

Grandville, *v.* Gérard, J. Ign. Is.

Granger, Jas., † & biog. ✓, • 1716, † 76.

Granicus, anct. ⊙. ⊙ As. Min.; ⚔ 334 B.C.

Granier de Cassagnac, 1] Adolphe, Fr. journ. ✓, • 1808, † 31/1 80 Paris. 2] His s., Paul, Fr. journ. ✓, • *ca.* 1840.

Granite, ⚒, unstratified rock, generally of feldspar, quartz, mica; prob. of igneous origin. Aberdeen G. is grey; Peterhead G. is red.

Grant, 1] Sir Fras., Scot. port. ●, • 1803 Edinburgh; P.R.A. 66, + 5/10 78. 2] Anne, of Laggan, poet. & misc. ✓, • 1755, † 1838. 3] Edw., biog. ✓, † 1601. 4] James, journ. & misc. ✓, • 1802; edit. *Morning Advertiser*, † 23/5 79. 5] Jas., nov. ✓, • 1/8 1822. "Romance of War" 46, &c., † 5/5 87. 6] Ulysses Simpson, Amer genl. & statesm., • 27/4 1822 Mt Pleasant, Ohio; serv. in Mex., left army 55, rejoind. 61, brig.-genl. 62, vict. at ⚔ Shiloh, captd. Vicksburg, comr.-in-chf. of U.S. armies 64 & lieut.-genl., genl. 66, Sec. for War, Presdt. 69–73, 73–77, round the world 77–80, † 23/7 85 Mt. Macgregor, nr. Saratoga. ✓. 7] Sir Pat., ⚔, • 1804 Duthill; govr. of Chelsea Hosp. 74, field-marsh. 8] James A., • 1827, Ind. army 46, explored Nile with Speke, 60–3, C.B. 66 ✓.

Grantham, Sir W., ⚖, • 1835; M.P. 74, Judge of Queen's Bench Div. 86.

Grantham, ⊙ Lincolnshire, on Witham ⚓; 17,500 inh., rets. 1 M.P.

Granville, Geo. Leveson Gower, 2nd earl, statesm., • 11/5 1815; M.P. 36, Und. Sec. for For. Affs. 40, suc. his father 46, For. Sec. 51, ldr. of Upp. House 55, Presdt. of Counc. 59, Ld. Warden of Cinque Ports 65, Col. Sec. 68, For. Sec. 69–74, 80–85, Col. Sec. 86.

Grape, 1] ♨, fruit of *vitis vinifera*, the vine. 2] ⚔, a number of spherical shot in an iron frame, for discharge at close quarters.

Grape Sugar, glucose.

Graphic, illust. weekly London newspaper, fnded. 1869: art. edit., M. L. Thomas; lit. ed., Arth. Locker.

Graphite, ◆, plumbago, black-lead; hexag. mineral cryst. in flat 6-sided tablets; spec. grav. 2·1–2·3, nearly pure carbon.

Grass, ⚘, any plant of ord. *graminaceæ*, incldg. cereals, bamboo, sugar-cane. G. of Parnassus, *parnassia;* Goose G., *galium aparine.*

Grass-tree, ⚘, *xanthorrhœa;* secretes Botany Bay Gum, used in ✚.

Grasshopper, entom., 1] *gryllus viridissimus;* 2] any of the *gryllidæ.*

Grasswrack, Seawrack, ⚘, any marine plant of genus *zostera.*

Gratianus, Rom. Emp. 367–383.

Gratis, Lat. = by favour; without pay.

Grattan, 1] Hy., Irish orator & statesm., • 3/7 1746 Dublin, † 4/6 1820. 2] Thos. Colley, nov., ✆, & poet. ✓, • 1796, † 4/7 1864.

Graubünden, *v.* Grisons.

Gravamen, ⚖, grievance; substantial cause.

Gravel, 1] ⚒, mass of loose stones rounded by action of water. 2] ✚, concretions in urine.

Gravelotte, village in German Lorraine; ✕ 18/8 1870.

Gravesend, ⊙ Kent, on Thames ⚓; 32,000 inh.; rets. 1 M.P.

Gravity, Gravitation; attraction wh. every portion of matter exerts on every other portion, the force of attraction being directly proport. to the mass of either body, & inversely proport. to the square of their distances (*v.* Centre of G.). In Eng., the *mean intensity of G.* will impart in 1 sec. to a freely falling body a veloc. of 32·2 ft. per sec.; *i.e.*, a body falling freely from a postn. of rest falls 16·1 ft. in 1 sec., 64·4 ft. in 2 secs. To find distance of a free fall, multip. sq. of time in secs. by 16·1: result is answer in feet.

Gravity, Specific, *v.* Specific G.

Gray, 1] Thos., poet. ✓, • 26/12 1716 London; "Elegy" 51, † 30/7 71 Cambridge, burd. at Stoke Pogis. 2] David, poet. ✓, • 1838, † 61. 3] *v.* Grey. 4] Edm. Dwyer, Irish polit. & journ. ✓, • 1845; Ld. Mayor of Dublin 80, M.P. 77, imprisd. for contempt 82, † 27/3 88. 5] Asa, ⚘, • 18/11 1810 Paris, U.S. Amer., † 30/1 88. ✓. 6] Geo. Robt., zool., • 8/7 1808 Little Chelsea, † 5/5 75 London. ✓. 7] John Edw., zool. & ⚘ ✓, • 1800, † 7/3 75.

Grayling, ichth., *thymallus vulgaris*, common in British streams.

Graz, cap. ⊙ Styria, on Mur ⚓; cathed. 1450, univ. 1586; 100,000 inh.

Grazioso, Ital. = ♪, gracefully.

Great Barrier Reef, *v.* Barrier Reef.

Great Britain, the island wh. contns. England, Scotland, & Wales, & which, with Ireland & other adj. isles, forms the United Kingdom of G. B. & Ireland. *Area:* England 50,942 s.m., Wales 7,378 s.m., Scotland (w. its isles) 30,685 s.m., Man 227 s.m., Channel Islands 112 s.m., Ireland 31,874 s.m.: total, 121,218 s.m.; estim. pop., 38,750,000. Govd. by Sovereign, Lords, & Commons. Wales untd. w. Eng. 1284, more close, 1536, 1543; crowns of Eng. & Scot. united 1603, legislat. union of Eng. & Scot. 1707; Ir. invd. 1172, completely conqd. by Hy. VIII., legislat. united w. G. B. 2/7 1800.

Great Yarmouth, *v.* Yarmouth.

Grebe, ornith., the gen. *podiceps;* 5 are Brit., incl. *P. minor*, dab-chick.

Greece, a marit. kingdm. of S.E. Europe; 24,977 s.m., 2,100,000 inh. Cap. ⊙, Athens; 54,000 inh. Divd. into 16 provinces. *Products:* olive, grape, orange, cotton, tobacco. Rys. 110 m., telegs. 3,500 m. Army 33,000 men; navy 3 ironclads & 54 others, w. 2,700 men. Govd. under Constit. of 28/11 1864 by king & 1 chamber of 245 deputs. ✍: Rom. province 147 B.C., conqd. by Venice 1204, ptly. conqd. by Turks 1456, began wars of indep. 1770, indept. 1830; Otho of Bav. k. 32, revol. 19/10 62; George, s. of Christian IX. of Denm., k. 13/7 63, increase of territy. 78. Rev. *ca.* £3,900,000, expend. *ca.* £3,700,000, debt *ca.* £25,000,000.

Greek Church, offshoot from Rom. Cath. Ch. 1054, when Leo IX. excommd. the Patriarch of Constantinople; inclds. Christns. in Russ., Greece, Turk., &c.; does not acknow. later genl. councils, or suprem. of Pope: lower priests non-celibate.

Greek Fire, combust. compos. used in war by Grks. in Midd. Ages; probly. nitre, sulphur, naphtha: invented by Callinicus, 7th century.

Greek Kalends = never. There were no Kalends in Greek months.

Greeley, Horace, Amer. polit. & journ. /, * 3/2 1811 Amherst; edit. N. Y. *Tribune*, memb. Congress 48, + 29/11 72 New York.

Greely, Ad. W., Amer. explor. & meteor., * 1844; to Arctic O 81–84, director of United States Signal Service 86.

Green, 1] Matthew, poet. /, * 1696, † 1737. 2] Mary Anne Everett, *née* Wood, ♛ /, * 1818 3] J. Richards ("John Gifford"), publr. & /, * 1758, † 1818. 4] John Richard, ♛ /, * 1837, + 83; "Hist of Eng. People." 5] Thomas, ✝, * 1658; bishop of Norwich, of Ely, + 1738. /.

Green Cloth, Board of, until 1849 had legal jurisdiction within royal palaces of England.

Greenbacks, American paper currency.

Greene, 1] Robt., Eng. ☾ /, * *ca.* 1560 Norwich, + 1592. 2] Geo. W., ♛ & biog. /, * 8/4 1811, + 83.

Greenfinch, ornithology, *coccothraustes chloris*, green linnet or green grosbeak.

Greengage, ✿, a var. of *prunus domestica*; from Rev. M. Gage, who introduced it from France.

Greenheart, ✿, hard timber tree of Demerara, *nectandra rodiei;* used in shipbldg.; yields bibirine.

Greenland, Dan. col. on N.E. of N. Amer., settled only on coast; disc. by Norwegs. 981, by Davis 1587; 46,740 s.m., 10,000 inh. Chf. ⊙, Julianshaab.

Greenock, ⊙ Renfrewshire, on Clyde ⚓; 65,000 inh.; rets. 1 M.P.

Greensand, ⚒, 2 strata of Cretaceous period, upper & lower.

Greenstone, ⚒, diorite: mixt. of feldspar & hornblende.

Greenwell, Dora, poet. & misc. /, * 1821, + 82.

Greenwich, ⊙ Kent, on Thames; Naval Hosp. used since 1873 as Roy. Nav. Coll.; Observ. blt. 1675; 66,000 inh.; rets. 1 M.P.

Greenweed, ✿, the genus *genista*, esp *G. tinctoria* & *G. pilosa*.

Greenwood, 1] Fredk., /, * *ca.* 1835; ed. *Pall Mall Gazette* 65–80, *St. James's Gazette* 80. 2] Grace, pseu. of Mrs. S. J. Lippincott.

Greg, W. Rathbone, journ. & misc. /, * 1809, + 15 11 81.

Gregorian Calendar, *v.* Calendar.

Gregory, name of 16 Popes: I. ("the Great") 590–604; II. 715–31, III. 731–41; IV. 827; V. (Bruno) 996–99; VI. 1044–47; VII. (St. Hildebrand) 1073–86; VIII. 1187–88; IX. 1227–41; X. 1271–76; XI. 1370–78; XII. 1406–09; XIII. 1573–85; XIV. 1590; XV. 1621–23; XVI. 1831–46.

Gregory, 1] Edm., ✝ /, † 1650. 2] John, ✝, * 1724, † 1773. /.

Gregory of Armenia, St., fndr. of Armen. Ch., * *ca.* 257, † *ca.* 336.

Greville, 1] Fulke, Ld. Brooke, poet. & ✝ /, * 1554, † 1628. 2] Charles G. F., memoir /, * 1794; Clerk to Council 1821–60, † 65.

Gregory of Nazianzus, St., * *ca.* 329; archbp. of Constantinople 381, + 389. /.

Gregory of Nyssa, St., * *ca* 331, † *ca.* 396. /.

Gregory of Tours, St., ♛ /, * *ca.* 540; bp. of Tours 573, † there 594.

Gregory Thaumaturgus, St., (St. Theodorus), * *ca.* 212, † 269. /.

Greifswald, ⊙ Pruss.; univ. founded 1456; 19,000 inhabitants.

Grein, W., German philol., * 16/10 1825, † 15/6 77.

Grenada, Brit. island in West Ind.; 133 s.m., 47,000 inh.; disced. by Columbus 1498. Cap. ⊙, St. George.

Grenadiers, ⚔, orig. infantry armed with grenades to be thrown by hand; Fr. 1667, Eng. 1685; now 1st regiment of Brit. foot-guards.

Grenadines, sm. isles. nr. Grenada; 8,462 acres; British.

Grenoble, Fr. ⊕, Isère; cathed. 10th century, univ.; 45,000 inh.

Grenville, W. W. G., Lord, statesm., * 1759; For. Sec. 90–1801, Premier, † 34.

Gresham, Thos., Eng. mercht. & philanth., * 1519; knt. 59, fnded. Roy. Exchange & G. College, † 79.

Gresset, J. B. L., Fr. poet. ✓, * 29/8 1709, † 16/6 77.

Gretna Green, Scot. village nr. Eng. border; conven. till 1856 for contract. of marr. und. Scot. law.

Gretry, Andre E. M., ♫, * 8/2 1741 Liége, † 24/9 1813.

Greuze, J. B., Fr. ●, * 1725, † 1805.

Gréville, Henry, pseud. of Alice Durand (*q.v.*).

Grévy, Franç. P. Jules, French statesm., * 15/8 1813 Mont-sous-Vaudrey; Presdt. of Nat. Ass. 71–73, of Chamb. of Depts. 76–79, Presdt. of Fr. Repub. 29/1 79, re-elected 28/12 85, resgd. 2/12 87.

Grey, 1] Chas., Earl, English statesm., * 13/3 1764 Fallodon; M.P. 86, suc. as earl 1807, Prem. 22/11 30–18/7 34, passed Reform Bill 7/6 32, † 17/7 45. 2] Lady Jane, dau. of dk. of Norfolk, * 1537 Broadgate; m. 53 Lord Guildford Dudley, procld. Q. of Eng. 10/7 53, exec. 12/2 54 London. 3] Zachary, polem. ✓, * 1687, † 1766.

Greyhound, zool., var. of *canis familiaris* for coursing. Irish G. for wolf & boar; Scot. G. for deer; Russ. G. for boar; Pers. G. for boar & antelope; Ital. G., a toy-dog.

Grieg, Ed. v., ♫, * 15/6 1843 Bergen.

Griesbach, J. Jac., German crit. & † ✓, * 4/1 1745 Butzbach, † 24/3 1812 Jena.

Griffin, fab. animal betw. eagle & lion.

Griffin, Gerald, novel, ✆, & poet. ✓, * 1803 Limerick, † 12/6 1840 Cork. "The Collegians."

Griffith, 1] Rich., ✆ ✓, † 1788. 2] His w., Eliz., misc. ✓, * 1730, † 93. 3] Sir Rich. J., ⊕ & polit. * 20/9 1784; vald. Ir. land 1830–40, † 22/9 78.

Grillparzer, F., ✆ ✓, * 15/1 1791 Vienna, † there 21/1 1872.

Grimaldi, Joseph, clown, * 1779, † 1837.

Grimbold, Nic., poet. ✓, * 1519, † 62.

Grimm, 1] Jac. L. Karl, philol. & rom. ✓, * 4/1 1785 Hanau, † 20/9 63. 2] His bro., W. Karl, philol. & rom. ✓, * 24/2 1786, † 16/12 1859.

Grimm's Law (from Jac. G.), in philol., rule of interchange of consonants in various Aryan langs. *See* Grimm's "German Grammar."

Grimsby, ⚓ ⊙ Lincolnsh., on Humber ⚓; 46,000 inh.; rets. 1 M.P.

Grimshaw, Rev. T. S., biog. ✓, * 1777, † 1850.

Gringoire, P., poet. ✓, * 1475, † ca. 1544.

Griqualand, West, province of Brit. S. Africa; 17,800 s.m., 56,000 inh.; procld. a colony 1871, annexd. to Cape Col. 79. Chf. ⊙, Kimberley. East G., prev. part of Orange Free State, annexed to Cape Col. 79.

Grisi, 1] Giulia, ✆ singer, * 28/7 1811 Milan; m. Sig. Mario, † 29/11 69 Berlin. 2] Her sister Giuditta, * 1805, † 1/5 40. 3] Her niece, Carlotta, dancer, * 1821.

Grisons (Graubünden), an E. canton of Switzerland; 2,774 s.m., 100,000 inh. Capital ⊙, Chur.

Griswold, Rufus W., American misc. ✓, * 1815, † 57.

Grit, ⚒, coarse sandstone.

Groat, obsolete Eng. silver coin = 4d. The "fourpenny" was coined 1836–56.

Gröningen, Dut. ⊙; university founded 1614; 50,000 inh.

Gronovius, J. F., Ψ, * 8/9 1611 Hamburg, † 28/9 71 Leyden.

Groom of the Stole, offr. who superintends royal wardrobe.

Grosbeak, ornith., the genus *coccothraustes*, including hawfinch.

Grosseteste, Robt., English †, * ca. 1175 Stradbroke; bishop of Lincoln 1235, † 53.

Grote, Geo., ♛ ✓, * 17/11 1794 Clay Hill; M.P. 1832–41, one of fnders. of London Univ., † 18/6 71.

Groth, Klaus, poet. ✓, * 24/4 1819.

Grotius (van Groot), Hugo, Dutch schol., ⚖, & †, * 10/4 1583 Delft; fled from Holland, amb. from Fr. to Sweden 1634, † 29/8 45 Rostock.

Grouchy, Eman., Fr. general, * 23/10 1766 Paris; marshl. 1815, peer 32, † 29/5 47.

Ground-nut, ✿, 1] seed of *arachis hypogæa;* yields oil. 2] *bunium flexuosum,* earth-nut.

Grouse, ornith., var. game birds. esp. Black G. (Black Cock), *tetrao tetrix;* Red G. (Common G.), *lagopus scoticus;* ptarmigan; capercailzie.

Grove, 1] Sir Geo., ♞ & misc. ✓, * 1820; Direct. of Roy. Coll. of Music. 2] W. Robert, scient. ✓ & ⚖, * *ca.* 1811; Presdt. of Brit. Ass. 66, Just. of Common Pleas 71, knighted 21/2 72, retired 87.

Gruyère, ⊙ Switzerland; 1,200 inhabs.; mnfs. cheese flavord. with *melilotus officinalis.*

Gryphius, And., poet. ✓, * 11/10 1616, † 16/7 64.

Guacharo, or Oil Bird, ornith., a cave bird, *steatornis caripensis,* of South America.

Guacho, v. Gaucho.

Guaco, ✿, *aristolochia guaco,* South America; remedy for snake-bites.

Guadalajara, 1] Spanish prov., formly. part of New Castile; 4,869 s.m., 220,000 inh. Chief ⊙, G. 2] Mexican ⊙; 75,000 inh.

Guadeloupe, Fr. W. Ind. islnd., divd. into Grande Terre and Basse T.; disco. 1493 by Columbus; 619 s.m., 190,000 inh. Capital ⊙, Basse T. Colond. by Fr. 1635, captd. by Eng. 1759, restd. 763, re-captd. 1794, restd. 1803, re-captd. 1810, surrendered to Swed. 1813, restd. to Fr. 1814.

Guaiacum, ✿, a gen. of *zygophyllaceæ;* wood of *G. officinale* is *lignum vitæ:* yields gum used in ✚ as sudorific & diuretic.

Guardian, weekly Ch. of Eng. newspaper, established 21/1 1846.

Guanaco, zool., *auchenia guanaco,* a llama of South America.

Guanajuato, or Santa Fé de G., Mex. State. Cap. ⊙, G.; 65,000 inh.

Guano, excrement of sea-birds; used as fertiliser: esp. from Pacif. coast of South America.

Guarana, powdered seeds of *paullinia sorbilis;* contain theine.

Guardians of the Poor, reprs. elected by ratepayers to superintd. treatment of paupers, under Local Govt. Board. They also superintd. highways, collect County, Boro., & Police Rates, &c.

Guards, title of 3 Brit. cav. regts., viz., 1st & 2nd Life G.s, & Roy. Horse G.s, & of 7 inf. batts. wh. form Grenadier (3 batts.), Coldstream (2), & Scots (2) Gds. Household Brigade.

Guarini, Giamb., poetical ✓, * 10/12 1537 Ferrara, † 1612 Venice. "Il Pastor Fido."

Guarneri (Guarnerius), fam. of Cremona violin mnfs., espec. Gius. Ant., * 8/6 1683, † 1745.

Guatemala, republic of Central Amer.; 46,774 s.m., 1,350,000 inh., govd. by Presdt., Council of State, & Ho. of Represta.; coffee, tobacco, timber, sugar, indigo; ▲ous. Cap. ⊙, G.; 60,000 inh. Army 2,500; Rys. 72 m.; telegs. 4,000 m. ♛: prov. of Spain, then pt. of Cent. Amer. Confed. 1823; indept. 21/3 1847. Reven. *ca.* £1,250,000, expend. *ca.* £1,300,000, debt. *ca.* £2,100,000.

Guava, fruit of *psidium pyriferum* of South America.

Guayaquil, dept. of Ecuador. Chief ⊙, G., port; 23,000 inh.

Gubernatis, v. De Gubernatis.

Gubitz, F. W., ✓ & wood eng., * 27/2 1786, † 5/6 1870 Berlin.

Gudgeon, ichth., *gobio fluviatilis;* fresh water.

Guebres, Parsees.

Guelderland, prov. of Holland; 1,965 s.m., 480,000 inh. Chief ⊙, Arnhem.

Guelder Rose, or Snowball, ✿, *viburnum opulus,* wild in Eng., &c.

Guelph, or Welf, fam. wh. oppd. the imp. power in Ital. from 11th-14th cents.: in confl. w. the Ghibellines. Fam. gave dukes to Bav., & was progen. of Eng. roy. fam.

Guericke, Otto v., nat. ♗, * 20/11 1602 Magdeburg, † 11/5 86 Hamburg; invented air-pump, &c.

Guerilla, an irregular soldier; armed peasant.

Guernsey, one of the Channel Islands (*q.v.*); 24 s.m., *ca.* 30,000 inh. Governed by Lieut.-Governor. Capital ⊙, St. Peter Port.

Guerrazzi, F. Dom., poet. ✓, * 1804 Leghorn, † 23/9 73 Rome.

Guesclin, Bertrand du, Constable of Fr., * 1314 near Rennes; conqrd. most of Eng. possns. in Fr., † 13/7 80 at siege of Randon.

Gueux=ragamuffins; nickname of early Dutch revolutionists.

Guevara y Dueñas, Luis Velez de, poet. ✓, * 1574 Ecija, † 1646 Madrid.

Guiana, territ. on N.E. coast of S. Amer.; divid. into **1]** Brit. G., 85,000 s.m., 320,000 inh.; divd. into Demerara, Essequibo, & Berbice; sugar. Cap. ⊙, Georgetown, 40,000 inh. **2]** Dutch G., or Surinam; 38,500 s.m., 60,000 inh. Cap. ⊙, Paramaribo. **3]** Fr. G.; 121,413 s.m., 30,000 inh. Cap. ⊙, Cayenne. **4]** Province of Venezuela.

Guibert, J. H., Card., archbp. of Paris, * 1802, † 8/7 86.

Guicciardini, Franç., ♛ ✓, * 6/3 1482 Florence, † 23/5 1540. "History of Italy," 1492–1530.

Guicowar, or Gaekwar, title of sov. prince of Baroda. His doms. are 4,399 s.m., w. 2,299,000 inh.

Guido d'Arezzo, inventd. mod. ♪ notes; * *ca.* 990, † 1050.

Guido Reni, ☻, * 4/11 1575 Bologna, † there 18/8 1642.

Guienne, anct. prov. of Fr., now Gironde, Dordogne, Aveyron, Lot-et-Garonne, Lot, & Tarn-et-Gar.; British 1152–1451. Cap. ⊙, Bordeaux.

Guilder, Dutch silv. coin = 100 cents = 1s. 8d. Austr. G. = 100 neu-kreuzer = 2s. Polish G. = 30 groschen = 4s. 6d.

Guillemot, ornith., the genus *uria*, of Arctic Ocean.

Guillotine, instr. for decapit. convicts by wghtd. knife falling betw. uprights; introd. 1791 to Fr. by Dr. Guillotin († 1814).

Guinea, distr. of W. Afr., betw. 10°20′ N. & 17°41′ S., on Gulf of G.; colond. by Great Brit., Fr., Port. *v.* Congo, Angola, &c.

Guinea, **1]** obsol. British coin, orig. of gold from G. 1663. Value fixed 22/12 1717 at 21s. **2]** Gold Egypt. coin = 100 piastres.

Guinea Fowl, ornith., the gen. *numida*; wild in Africa.

Guinea Pig, or Cavy, zoology, *cavia aparea*; wild in S. America.

Guinea Worm, zoology, *filaria medinensis*, a parasite wh. in the trops. sometimes inh. var. pts. of human body; often 12 feet long.

Guinegate, village in N. Fr.; ⚔s 17/8 1479, 19/8 1513.

Guipuzcoa, prov. of N. Spain; 728 s.m., 170,000 inh. Chief ⊙, San Sebastian.

Guiscard, Ant., marq. de, Fr. advent. in Brit. service, * 1658, † 1711 Newgate.

Guise, branch of ducal ho. of Lorraine. **1]** Franç., dk. de, * 1519; deftd. Huguenots nr. Dreux 62, murd. 18/2 63 Orleans. **2]** His s., Henri, * 31/12 1550; fnded. the Ligue 76, murd. 23/12 88. Fam. ext. 1696.

Guitar, ♫, six-stringed lute, used especially in Spain & Italy.

Guizot, Franç. P. G., Fr. statesm. & ✓, * 4/10 1787 Nismes; For. Min. 1840–48, † 12/9 74 Val Richer.

Gujarat, *v.* Guzerat.

Gujranwala, distr. of Panjab, Brit. Ind.; 2,563 s.m., 580,000 inh.

Gujrat, distr. of Panjab, Brit. India; 2,029 s.m., 625,000 inh.

Gulden, same as Guilder (*q v.*).

Gules in heraldry = red.

Gulf Stream, an ocean current, flows from G. of Mexico to Gulf of Florida, thence to S. extrem. of Gt. Bank of Newfoundland, thence in

2 branches—1 to N. Eur., 1 to Span. & W. Afr. coasts.

Gulf Weed, ☙, an algal, *sargassum bacciferum;* fnd. in Atl. O. betw. 20° & 45° N. & 19° & 47° W.

Gull, ornith., the gen. *larus* of sea-birds, incl. common G., *L. canus;* kittiwake, *L. tridactylus,* &c.

Gull, Sir William W., ⚸, * 1816. /.

Gums, ☙, viscid but not oily veget. secretions; incl. G.-arabic, from *acacia arabica;* G.-elastic or caoutchouc (*q.v.*); G.-lac, from *ficus indica;* G.-sandarach, from *callitris quadrivalvis;* G.-senegal, from *acacia verek;* G.-tragacanth, from *sterculia tragacantha.*

Gum-tree, ☙, the *eucalyptus;* especially *E. globulus,* blue gum.

Gun-cotton, explos. compos. of cotton acted on by oil of vitriol 3 pts., nitric acid 1 pt., washed, pulped, & moulded; inv. by Schönbein 1854, imprvd. by Von Lenk.

Gun-metal, alloy of copper 9 parts, tin 1 part.

Gunning, Peter, †, bp. of Ely, * 1613, † 84. /.

Gunpowder, explosive compos. of *ca.* 74·9 nitrate of potash, 13·3 charcoal, 11·8 sulphur; known very early in China & Ind.; alluded to by R. Bacon *ca.* 1267; discovd. in Europe by B. Schwartz *ca.* 1336.

Gunpowder Plot, conspir. of Catesby, Winter, Percy, Sir E. Digby, Guido Faux, &c., to blow up Hos. of Parlt. 5/11 1605; revealed by anon. letter to Ld. Monteagle.

Gunter, Edm., math., * 1581 Hertfordshire, † 1626 Oxford.

Gunter's Chain, a surveyor's chain 66 ft. = 4 rods, of 100 links. A sq. chain, or 10,000 sq. links = $\frac{1}{10}$th acre. Invt. by Edm. G., who also invt. G.'s scale for mechan. solving problems in surveying, &c.

Günther, J. C., poet. /, * 8/4 1695 Striegau, † 15/3 1723 Jena.

Gurdaspur, distr. of Panjab, Brit. Ind.; 1,818 s.m., 920,000 inh.

Gurgaon, distr. of Panjab, Brit. India; 1,980 s.m., 710,000 inh.

Gurko, Jos., Russ. genl., * 15/11 1828; captd. Sophia 78, govr. of St. Petersburg 79, of Odessa 82, of Poland.

Gurnall, Willm., Eng. † /, * 1616 Lynn, † 1679 Lavenham.

Gurnard, ichth., the gen. *trigla* of mar. fishes. Armed G. is of fam. *cataphracti,* wh. also conts. Fly. G.

Gurney, 1] Hudson, Ψ & poet. /, * 1774, † 1864. 2] Thos., stenog., * 1705, † 1770.

Gussow, Karl, genre ●, * 1843 Heidelberg.

Gustavus, 4 kings of Sweden: 1] I. (Vasa), * 12/2 1496; k. 1523, † 29/9 60. 2] II. (Adolphus), * 19/12 1594; s. of Chas. IX., suc. 1611, increased realm, † 16/11 32 at ✕ Lützen. 3] III., * 24/1 1746; suc. 71, assassd. by Ankarstrom 16/3 92, † 25/3. 4] His s., IV. (Adolphus), * 1/11 1778; suc. 92, enemy of Nap., † in exile 7/2 1837. 5] His s., G., Prince of Vasa, genl., * 9/11 1799, † in Aust. serv. 5/8 1877.

Gutenberg, J., typog., inv. of movable types, * *ca.* 1399 Mayence; partner w. Fust 1450, † 68.

Guthrie, 1] Thos., Scot. †, * 12/7 1803 Brechin; joined Free Ch., † 24/2 73 St. Leonards. /. 2] F., nat. ⚓, F.R.S., * 1833, † 21/10 86. 3] Wm., misc. /, * 1708, † 70.

Gutta Percha, inspissated juice of *isonandra gutta,* tree of Malay Archip.; good insulator.

Gutta Serena, ⚸, paralysis of retina or optic nerve.

Gutzkow, Karl Ferd., /, * 17/3 1811 Berlin, † 16/12 78 Sachsenhausen. "Uriel Acosta."

Gützlaff, K. F. A., miss to China, * 8/7 1803 Pyritz, † 9/8 51 Hongkong. /.

Guy, Earl of Warwick, myth. hero 890–958.

Guy, W. A., ⚸, * 1811, † 10/9 85.

Guy de Lusignan, k. of Jerusalem 1186, expelled, † 1194.

Guyon, Jeanne M. Bouvières de la Motte, myst. † /, * 13/4 1648 Montargis; imprisd. 95–1702, † 9/6 17 Blois.

Guyot, Arn., Swiss ⊙ & meteor. /, * 1807; to Amer. 49, † 5/2 84.

Guzerat, Gujarat, distr. on N. seaboard, prov. of Bombay; 41,536 s.m., 3,500,000 inhabitants.

Gwalior, native Mahratta State of Ind., under Scindhia; 33,119 s.m., 2,600,000 inh. Capital ⊙, G.

Gwyniad, or Powan, ichth., *coregonus fera;* British lakes.

Gwynn, Eleanor, * ca. 1640 Hereford; mist. of Ld. Buckhurst, of Chas. II., m. of Dk. of St. Albans, † 1687.

Gyges, k. of Lydia, 716–678 B.C.; suc. Candaules; fabled to have been very rich, & to have had a ring wh. rendered him invisible.

Gyllembourg-Ehrensvärd, T. Christine, novel /, * 9/11 1773 Copenhagen, † 2/7 1856.

Gymnetrus, ichth., genus of deep-sea fishes, incldg. ribbon-fish, deal-fish, &c.

Gymnotus, *v.* Electric Eel.

Gypsum, ⚗, crystal. calcium sulphate; alabaster: when calcined, called plaster of Paris.

Gyrfalcon, ornith., *falco gyrfalco,* N. America.

Gyroscope, instr. invented by Foucault to render visible the persistence of a plane of rotation, and hence the motion of the earth.

H.

H, 8th letter of Eng. alphabet; aspirate; symbol for 200; $\bar{H}$ = 200,000. ⚗, symb. for hydrogen. ♮, the tone B natural in German syst. H. = his or her: *e.g.*, H.R.H. = his, or her, royal highness. H.P. = horse-power. H.M.S. = his, or her, majesty's ship, or service.

H.B., pseudonym of Doyle, J.

Haag, Karl, ●, * 20/4 1820 Erlangen.

Haarlem, chief ⊙ North Holland; 40,000 inh.; cathedral 1538.

Habakkuk, Hebr. proph. /, probably ca. 610 B.C.

Habberton, John, American /, * 1842 Brooklyn. "Helen's Babies."

Habeas Corpus Act, ⚖, 26/5 1679, provides against long impris. without trial; directs trial by jury of 12; forbids second trial on same charge, &c. Can be suspd. by Parlt.

Haberlandt, F., ✓ ⚗, * 21/2 1826 Pressburg, † 2/5 78 Vienna. /.

Habington, Wm., poet. /, * 1605 Hendlip, † 54.

Habsburg, Hapsburg, ruined ⊕ between Aargau & Brugg; orig. home of house of Austria.

Hacienda, Spanish = farm.

Hackberry, ♣, var. of nettle-tree, *celtis crassifolia.*

Häckel, Ernst H., zool., * 16/2 1834 Potsdam; follower of Darwin, prof. at Jena. /.

Hackert, J. P., landscp. ●, * 15/9 1737 Prenzlau, † 28/4 1807 Florence.

Hackländer, Fried. W., rom. & ✆ /, * 1/11 1816 Burtscheid, † 6/7 77 Stuttgart.

Hackney, parlt. bor. of London; 190,000 inh.; rets. 3 M.P.s: N., S., Central.

Haddington, or East Lothian, marit. co. of S.E. Scot.; 280 s.m., 39,000 inh.; rets. 1 M.P. Chief ⊙, H.; 4,100 inhabitants.

Haddock, ichthyology, *morrhua æglefinus.*

Haddon, Walter, * 1516; presdt. of Magdalen College, Oxford, 52, Master of Requests, † 72.

Haden, Fras. Seymour, ✓ & etcher, * 1818 London.

Hades, class. myth., the infern. regions; ruled by Pluto (Hades), guarded by Cerberus.

Hadji, title of one who has been a pilgrim to Mecca.

Hadramaut, distr. of Arabia.

Hadrianus, or Adrian, Publ. Ælius, Rom. Emp., * 76; suc. 117, † 10/7 138 Baiæ.

Hæmatite, ⊕, an ore, sesquioxide of iron; conts. 70 p.c. iron.

Hæmatoxylin, or Hematin, ⚗, cryst. subst. extr. from logwood, of which it is the colourg. matter.

Hæmatozoa, zoology, micros. parasites of the blood.

Hæmorrhage, ✱, bleeding; if fm. a vein, is purple & continuous; if fm. an artery, red & intermittent. If arterial, compress betw. wound & heart; if venous, compress on other side of wound.

Hæmorrhoids, ✱, piles.

Hafiz, Schems-eddeen-Mohamed, Persian lyric ✓, † 1389 Shiraz.

Hagedorn, F. v., poet. ✓, * 23/4 1708 Hamburg, † there 28/10 54.

Hagelsberg, Pruss. village; ✕ 27/8 1813.

Hagen, 1] F. H. v. der, philol., * 19/2 1780, † 11/6 1856 Berlin. 2] Aug., ✓, * 12/4 1797, † 16/2 1880.

Hagenbach, K. R., Swiss †, * 4/3 1801 Bale, † 7/6 74. ✓.

Hag Fish, ichth., *myxine glutinosa;* parasit. in bods. of oth. fish.

Haggai, Hebr. proph., *ca.* 520 B.C.

Haggard, H. Rider, ✓, * 1856; "Cetewayo & His White Neighbours" 82, "Dawn," "Witch's Head," "King Solomon's Mines" 85, "She" 86 "Jess" 86, "Alan Quatermain" 87, "Maiwa's Rev." 88.

Haghe, Louis, ● & lithog., * 1802 Tournai; presdt. of Inst. of ●s in Water Colours, † 9/3 85.

Hague, The, in Dutch *S'Gravenhage* ("The Count's Meadow"); admin. cap. ⊙ Holl.; 120,000 inh.

Hahnemann, Samuel Christ. Fried., Sax. ✱, finder. of homœopathy, * 10/4 1755 Meissen; at Leipzig 89–1821, at Kothen 21–35, to Paris 35, † there 2/7 43. ✓.

Hahn-Hahn, Ida, Countess, rom. ✓, * 26/6 1805 Tressow, † 12/1 80 in convent, Mayence.

Haidarabad, feudat. State of cent. S. Ind., govd. by Nizam; 80,000 s.m., 11,000,000 inh. Cap. ⊙, H., on Musi ⚓; 200,000 inh. Und. British protection since 1799.

Haidarabad Assigned Districts, *v.* Berar.

Haider Ali, Sult. of Mysore, * 1728; seized govrnmt. 60, invaded Carnatic 80, deftd. ✕ Porto Novo 81, † 10/12 82 Chittore.

Haidinger, W. Karl, ⚒ & ⊕, * 5/2 1795 Vienna, † there 19/3 1871.

Hail, meteor., moist. precipit. from atmosphere in lumps of ice, usually conical.

Hailes, *v.* Dalrymple.

Hainan, Chin. isle at mouth of Gulf of Tonquin; 1,200 s.m., 1,350,000 inh. Chf. ⊙, Kiung-Chow.

Hainault, prov. of Belg.; 1,437 s.m., 1,000,000 inh. Chf. ⊙, Mons.

Hair, 1] physiol., horny append. of skin with pithy interior contg. colour. matter. 2] In ✱, products of epidermic covering of plants; *e.g.*, cotton: enlarged, becomes thorn.

Haiti, *v.* Hayti.

Hake, ichth., *merlucius vulgaris,* of cod genus.

Hakluyt, Richd., Eng. ⊖ ✓, * 1553, † 22/10 1616. H. Soc. fnded. 1846 to print unpubd. voyages.

Hakodadi, ⚓ ⊙ Yeso, Japan; opened to commer. 1854; 120,000 inh.

Hala, *v.* Brahui.

Halberd, comb. of spear & axe formerly carried by inf. sergeants.

Halcyon, kingfisher: calm & bright: from trad. that weather is so when kingfishers breed.

Hale, 1] Sir Matt., ⚖, * 1/11 1609 Alderley; Lord Chief Justice 71, † 25/12 76. ✓. 2] Edw. Everett, Amer. Unit. †, * 1822. ✓.

3] Sarah Josepha, *née* Buell, novel & miscell. ✓, * 1795, † 1879.

Haleb, *v.* Aleppo.

Halek, Witiezslaw, Zech poet. ✓, * 5/4 1835, † 8/10 74 Prague.

Hales, 1] John, ✓, † 1572. 2] John ("Ever Memorable"), † ✓, * 1584, † 1656. 3] Stephen, nat. ⚗, * 1677, † 1761. ✓.

Halévy, 1] Jacques F., ♫ comp., * 27/5 1799 Paris, † 17/3 1862 Nice. *La Juive.* 2] His neph., Ludov ✓, * 1/1 1834 Paris.

Haliburton, Thos. Chandler, ⚖, & humorous ✓, * 1796 Windsor, Nova Scotia; to England 1850, † 27/8 65 Isleworth. "Sam Slick."

Halibut, ichth., *hippoglossus vulgaris,* large flat fish.

Halicarnassus, anct. ●, ⊙ Asia Minor, now Budrun.

Halidon Hill, ⚔ 19/7 1333, Scots defeated by English.

Halifax, 1] ⊙ N.W. Yorksh., on Hebble ⚓; wool, cotton; 78,000 inh.; returns 2 M.P.s. 2] Cap. ⊙ Nova Scotia; ⚓ stat.; fnded. 1749, Angl. bp., R.C. archbp.; 36,000 inh.

Halifax, 1] G. Savile, marq. of, Eng. statesm., * 1630, † 95. 2] Chas. Wood, 1st Visct., statesm., * 20/12 1800; Chanc. of Exchequ., Sec. for Ind., peer 66, † 9/8 85. 3] Geo. Montague D., 5th earl of, Ld.-Lieut. of Ir. 1761, Sec. of State 70, † 71.

Haliotis, zool., the ear-shell.

Hall, 1] Joseph, ✝, * 1574 Ashby-de-la-Zouch; bp. of Exeter 1627, of Norwich 41, ✓, † 56. 2] Robt., Baptist ✝, * 2/5 1764 Arnsby, † 21/2 1831 Bristol. ✓. 3] Marshall, physiol., * 18/2 1790 Basford, † 11/8 1857; discvd. electrotherapy. 4] Edw., ♛ ✓, † 1547. 5] Capt. Basil, ⚓ offr. & voyager, * 1788, † 1844. ✓. 6] Mrs. Sam. Carter, *née* Fielding, nov. & misc. ✓, * 1802, † 30/1 81. 7] Sam. Carter, ✓, * 1801; estabd. *Art Journal* 39. 8] Newman, Cong. ✝ & ✓, * 1816. 9] Jas., ⚒, * 12/9 1811 Hingham, Massachusetts.

Hallam, 1] Henry, ♛ ✓, * 1777 Windsor; "Constit ♛ of Eng." 1827, † 21/1 59 Pickhurst. 2] His son Arthur Henry, * 1811, † 33. ✓.

Halleck, 1] Hy. W., Amer. genl., * 15/1 1819 Westernville, † 9/1 72. 2] Fitzgreen, Amer. poet. ✓, * 8/7 1790, † 19/11 1869.

Halle, ⊙ Prussia, on Saale ⚓; univer. founded 1694; 68,000 inh.

Hallé, Chas., pianist & ♞, * 1819; kntd. 88.

Haller, Alb. v., anat., physiol., ⚕, ✉, & ✓, * 16/10 1708 Berne, † there 12/12 77.

Halley, Edm. ☄, * 29/10 1656; calculd. H.'s comet, Astron. Roy. 1720, † 14/1 42 Greenwich. ✓.

Halliday, 1] And. (Duff), ☉ & misc. ✓, * 1830, † 10/4 77. 2] Sir F., * 1806 Ewell; Lt.-Gov. of Bengal 54.

Hallier, Ernst, ✉, * 15/11 1831 Heidelberg; prof. at Jena 65.

Halliwell-Phillips, James O., editor & ✓, * 1820.

Hall Marks, marks imposed by Goldsmiths' Co. of London on gold & silver plate after assay, to show proport. of alloy. Gold of 22, 20, & 18 carats fine is marked with crown & those figs.; gold of 15, 12, & 9 is marked ·625, ·5, & ·375 resp. Silver is either 11 oz. 2 dwts. fine (mark: lion passant), or 11 oz. 10 dwts. fine (mark: fig. of Britannia). Besides these standard marks there are (a) *mark of assaying town; e.g.*, London, leopard's head; Birmingham, anchor; Chester, wheatsheaves & dagger; Exeter, castle w. 3 towers; Newcastle, 3 castles; Sheffield, crown; Edinboro', thistle; Glasgow, tree, fish, & bell; Dublin, crowned harp. (b) *duty mark* (since 1784); *i.e.*, head of reigning sovgn. (c) *date mark* (a letter, for wh. see *Whitaker's Almanack*); (d) *maker's mark, i.e.*, his initials.

Hallowe'en, evening before All Saints' Day (1/11).

Hallowmas, All Saints' Day.

Halo, 1] meteor., luminous ring round sun or moon; due to diffract. of light by floating crystals of ice or water in atmosphere. 2] In art, a nimbus, aureola, or glory.

Halogens, ⚗, the non-metallic elements, chlorine, bromine, iodine, fluorine.

Hals, Franz, ●, * 1584 Antwerp, † 26/8 1666 Hague.

Halsbury, Hardinge Stanley Giffard, 1st Bar., ⚖, * 1825; M.P. 77, Sol.-General 75–80, kt. 80, Lord Chancellor 85, 86.

Ham, ⊙ & ♚, Somme, France; Napoleon III. imprisoned 1840–46.

Hamann, J. G., ✍ ✓, * 27/8 1730 Königsberg, † there 21/6 88.

Hamburg, state & till 1888 free ⊙, Germ., on Elbe ⚓; govd. under constitution of 1/1 1861; 148 s.m., 470,000 inh. (⊙ alone 375,000). Fnded. by Charlemagne; chief of Hanse Confed. 1241, burnt 28/9 1860.

Hamel, R., lyric & ♛ ✓, * 12/9 1858 Potsdam.

Hamerton, Phil.Gilb., ✍ & crit. ✓, * 10/10 1834 Laneside.

Hamilcar ("Barca"), Carthag. genl., f. of Hannibal, † in ⚔ 229 B.C.

Hamilton, 1] one of Falkirk parlt. burghs, Scotlnd.; 14,000 inh. 2] ⊙ Ontario, Canada; 40,000 inh.

Hamilton, 1] Alex., Amer. ⚒ & statesm., * 1757 Nevis, † in duel 1804. 2] Pat., Scot. reform., * 1504, burnt 29/2 28 St. Andrews. 3] Sir Wm., bart., metaphys., * 8/3 1788 Glasgow, † 6/5 1856. ✓. 4] Sir Wm. Rowan, math. & ✎, * 5/8 1805 Dublin, † 2/9 65. ✓. 5] Lady, *née* Emma Hart, adventuress, * 1761; m. Sir Wm. H., Brit. ambassdr. at Naples 91, mistr. of Nelson, † 16/1 1815 Calais. 6] Jas., philol., * 1769 London, † 31/10 1831 Dublin. 7] Ld. Claud J., 2nd s. of dk. of Abercorn, * 1843; Jun. Ld. of Treas. 68. 8] His b., Ld. Geo. Frs., * 1845; Und. Sec. for Ind. 74–78, 1st Ld. of Adm. 85, 86. 9] Anthony, Ct., genl. & ✓, * 1641 Ireland; deftd. at ⚔ Newtown Butler 89, † 1720. "Memoires de Grammont," "Contes." 10] Wm. Gerard ("Single Speech"), * 1729; M.P. 54, † 96. Reputed author of "Junius." 11] Eliz., misc. ✓, * 1758, † 1816. 12] Gail, pseud. of Mary Abigail Dodge. 12] Hugh, ✝ & math., bp. of Ossory, * 1729, † 1805. 13] Wm., of Bangour, poet. ✓, * 1704, † 1754.

Hamirpur, district of N.W. Provs., Brit. India; 2,287 s.m., 540,000 inh. Chief ⊙, Hamirpur.

Hamley, Sir Edw. B., genl. & ✓, * 1824; in Crimea, Egypt; M.P. 85. "Battle of Dorking," "Newry Bridge."

Hammelburg, Bav. ⊙; ⚔ 10/7 1866.

Hammer, Jul., poet. ✓, * 7/6 1810 Dresden, † 23/8 62 Pillnitz.

Hammer-head, ichth., a shark, *zygæna malleus.*

Hammer-Purgstall, Jos., Bar. v., orient., * 9/7 1774 Graz, † 23/11 1856.

Hammersmith, parlt. bor. of W. London; 73,000 inh.; rets. 1 M.P.

Hammond, 1] Anth., misc. ✓, * 1668, † 1738. 2] His s., Jas., ✓, * 1710, † 42.

Hampden, 1] John, Eng. patr., * 1594 London, cous. of O. Cromwell; impried. 1627 for refusg. forced loan, refused ship-money, wounded at ⚔ Chalgrove Field, † 24/6 43 Thame. 2] Rem Dickson, ✝, * 1792 Barbados; bp. of Hereford 1847, suppsd. to be heretl., † 23/4 68. 3] Hy. Bouverie Wm. Brand, 1st Viset., * 1814; Sec. to Treas. 59–66, Speakr. 72–84, peer 84.

Hampshire, marit. co. of S. Eng., incl. I. of Wight; 1,613 s.m., 600,000 inh. Rets. 6 M.P.s: N. (Basingstoke), S. (Fareham), E. (Petersfield), W. (Andover), Isle of Wight, New Forest. Chf. ⊙, Winchester.

Hampton, 1] John Somerset Pakington, 1st Ld., statesm., * 20/2 1799; M.P. 1837, Col. Sec. 52, 1st Ld. of Adm. 58–59, 66, G.C.B. 59, Sec. for War 67–68, peer 74, † 9/4 80. 2] Wade, Amer. Confed. genl., * 1818.

Hampton Court Palace, on Thames; blt. 1515 by Card. Wolsey, given 1525 by him to Hy. VIII., roy. resid. for 200 years. Conference 1604 on diffs. betw. Presbyts. & C. of Eng.

Hampstead, parlt. borough of N. Lond.; 47,000 inh., rets. 1 M.P.

Hamster, zool., a gen. of mouse, *cricetus,* w. cheek pouches; Europe.

Hanaper Office, abold. 1842; off. in Ct. of Chancery wh. writs were kept: those of public in a hanaper or basket, th. of crown in a petty bag.

Hanau, ⊙ Hesse Nassau; ⚔ 30–31/10 1813.

Hancock, Winfield S., Amr. gen., * 14/2 1824; in Mex. & Civ. War, cand. for Presd. 80, † 10/2 86 New York.

Hand, meas. of horses' height: 4 inches.

Händel, Geo. F., ♫, * 23/2 1685 Halle; to Eng. 1712, blind 58, † 14/4 59 Lond. *Messiah, Samson* 41.

Handicap, in racing, to adjudge weight or start to equalise competition.

Hanka, Wenzel, philol., * 10/6 1791, † 12/1 1861 Prague.

Hanke, Henriette, rom. ✓, * 24/6 1785, † 5/7 1862.

Hankel, W. G., electr., * 17/5 1814 Ernsleben; prof. at Leipzig 49.

Hankow, ⚓ ⊙ China, on Yang-tse-Kiang ⚓; opened to foreign comm. 1858; 1,000,000 inh.

Hanley, parlt. bor. Staffs., Eng.; pottery; 75,000 inh.; rets. 1 M.P.

Hann, Jul., meteor., * 23/3 1839 near Linz. ✓.

Hanna, Rev. Wm., Presbyt. ✝ & ✓, * 1808, † 24/5 82.

Hannah, John, ✝ & misc. ✓ * 1818, † 1/6 88.

Hannay, James, miscell. ✓ & editor * 1827, † 9/1 73.

Hannen, Sir James, ⚖, * 1821; Judge of Q.'s Bench 68, kntd., of Prob. & Div. Court 72.

Hannibal, Carthag. genl., s. of Hamilcar; deftd. by P. C. Scipio 202 B.C., † by suicide *ca.* 183.

Hannington, Jas., ✝, * *ca.* 1850; bp. of Equat. Afr. 84, mrd. 85 Uganda.

Hanno, name of sevl. Carthag. ⚔ & ⚓ officers.

Hanover, prov. of Pruss.; 14,846 s.m., 2,150,000 inh. ♛: Electorate, kingdm., war w. Pruss. 1866, annexed 23/8 66. Chf. ⊙, H., on Leine; 110,000 inh. Treaty of H., 3/9 1725.

Hansard, Luke, typog., * 1752 Norwich; printer to Ho. of Commons 1800, † 28.

Hanse Towns, ⊙s wh. formed Hanseatic League, founded 1241, against Scand. pirates. In 1370, 66 cities & 44 towns. League destroyed 1618–48. Name has now no partic. signif., but is appld. to Germ. Free ⊙s, Hamburg, Bremen, Lübeck.

Hansen, P. A., ✎, * 8/12 1795 Tondern, † 28/3 1874 Gotha.

Hanslick, Ed., ♥ ✓, * 11/9 1825 Prague.

Hanstein, J. v., ✿, * 15/5 1822, † 27/8 80.

Harcourt, 1] Sir Wm. G. G. V. Vernon, * 1827; M.P. 68, Sol.-Genl. 73–74, Home Sec. 80–85, Chanc. of Exchcq. 86, Whewell Prof. of Internat. ⚖ 69. ✓. 2] Simon, Lord, ⚖, * 1660; Sol.-Genl. 1702, framed Bill for Scot. Union, defend. Sacheverell 10, Ld. Keeper † 27.

Hardenburg, 1] Karl Aug., Prince, statesm., * 31/5 1750 Essenroda; Pruss. Chanc. 1810, † 26/11 22 Genoa. 2] Fried. Geo. von (pseud. Novalis), poet. ✓, * 2/5 1772 Wiederstedt, † 25/3 1801 Weissenfels.

Hardicanute, Dan. k. of Eng., s. of Canute; suc. to N. Eng. 1035, to whole country 40, † 42.

Harding, Jas. Duffield, landscp. ✎, * 1797 Deptford, † 4/12 1863.

Hardinge, 1] Hy., 1st Visct., ⚔, * 1785; Govr.-Genl. of Ind. 1844–47, vict. at ⚔s Moodkee, Aliwal, Sobraon, Comm.-in-Chf. 52, † 56. 2] Nic., poet. ✓, * 1700, † 58.

Hardoi, distr. of N.W. Provs. of Brit. Ind.; 2,285 s m., 975,000 inh.

Hardwar, ⊙ India, on Ganges; place of pilgrimage.

Hardwicke, P. Yorke, 1st earl of, ⚖, * 1690; M P. 1718, Sol.-Genl. 20, Att.-Genl. 23, Ld. Chf. Just. & peer 33, Ld Chanc. 37–56, † 64.

Hardy, 1] Sir Thos. Masterman, ⚓ offr., * 1769 Dorchester; at ⚔s St. Vincent 97, Nile 98, flag-capt. to Nelson 1803–05, govr. of Greenwich Hosp. 34, † 39. 2] Sir Thos., Duffus, ♛ ✓, * 1804; Dept. Keeper of Pub. Records 61, † 15/6 78. 3] Thos., novel ✓, * 2/6 1840. "Under the Greenwood Tree" 72, "Far from the Madding Crowd" 74, &c.

Hare, zool., name of var. specs. of genus *lepus*, esp. *lepus timidus*, common H.; *L. hibernicus*, Irish H.; *L. variabilis*, Alpine H.

Hare, 1] Julius Chas., Rev., ✝ & biog. ✓, * 13/9 1795 Valdagno, Italy; archd. of Lewes 1840, † 28/1 55; wrote, with his broth., 2] Aug. Wm. (* 1792, † 1834), "Guesses at Truth." 3] Fras., ✝, * 1688; bp. of Chichester, † 1740. ✓.

Harebell, ✿, the Bluebell; the genus *campanula*.

Harem, portion of an East. ho. exclusively appropriated to women.

Harfleur, ⊙ Seine-Infér., Fr.; captd. by Eng. 1415, re-captd. 1433, again captured & held 1440–51.

Hargreaves, Jas., ⊕, * *ca* 1720 Stanhill; inv spinng.-jenny 67, † 78

Haring, W. (pseud. Wilib. Alexis), rom. ✓, * 23/6 1797 Breslau, † 16/12 1871 Arnstadt.

Hariri, Abu Mahomet Kasim ben Ali el, Arab. poet. ✓, * 1054 Bassora, † there 1122.

Harley, Robt., earl of Oxford, statesm., * 1661 London; Speaker 1701, Sec. of State 04–08, Chanc. of Exchequ. 10, earl 11, & Ld. Treas. till 14, imprisd. for 2 years, † 1724. Collectn. (Harleian) of MSS. in Brit Mus.

Harmodius, *v.* Aristogeiton.

Harmonics, sounds prod. by a vibr. string or col. of air when it is sub-divided into its aliquot parts.

Harmonium, ♨, keyed instr in wh. wind passes thro' free metal reeds; inv. by Alex. Debain, 1840.

Harms, Fried, ⚓, * 24/10 1819 Kiel, † 5/4 80 Berlin.

Harold, k of Eng, 1] I. ("Harefoot"), s of Canute; reigned w. Hardicanute 1035–40, † 10/3 40. 2] II., s. of Godwin; suc. 1066, † at ⚔ Hastings 14/10 66. 3] H. Hardrada, k. of Norw.; invd. Eng., deftd by Harold, † at ⚔ Stamford Br. 25/9 1066.

Haroun al Raschid, fifth of Abbaside Khalifs of Bagdad, * 765; succeeded 86, † 23/3 809.

Harper's Ferry, village of W. Virginia, on Potomac ⚓; scene of John Brown's insurrectn. 16–18/10 1859; ⚔s 18/4 61, 14/9 62 &c.

Harpies, class. myth., 3 vultures with claws & women's heads, offspring of Neptune & Terra.

Harpsichord, ♨, keyd. stringd. instr.; introduced to Eng. *ca.* 1630, superseded by pianoforte.

Harpy Eagle, ornith., *thrasaetus harpyia* of Central America.

Harrach, Ferd., Ct. v., Indscp & ♛ ⊕, * 1832.

Harrier, 1] ornith., any of the gen. *circus.* 2] Zool, a small foxhound used for hare-hunting.

Harrington, 1] James, polit. ✓, * 1611, † 77. "Oceana." 2] Timothy, * 1850; Sec. of Irish Nat. League, M.P. 83 ✓.
3] Wm. Stanhope, 1st earl of, * *ca.* 1680; earl 1742, Ld.-Lieut. of Irlnd. 46–51, † 56.

Harris, 1] Jas., ⚓ & philol. ✓, * 1709 Salisbury, † 80. 2] G. R. C Harris, 4th Bar., * 1851 Trinidad; suc. 72, Und. Sec. for Ind. 85, Und. Sec. for War 86, cricketer. 3] John, ✓, * 1667, † 1719. 4] Wm, biog. ✓, * 1720, † 70 5] Walt., ♯ ✓, * 1647, † 1725.

Harrisburg, cap. ⊙ Pennsylv., U S A., 40,000 inhabitants.

Harrison, 1] Wm. Hy., * 1773 Virginia; 9th Presdt. of U.S.A. 1841, † 41 Washington. 2] Fredk., Positivist & ✓, * 18/10 1831 London. 3] Thos, Parlt. genl. in Civ War, * 1606 Newcastle-u.-Lyme, exec. 13/10 60 as one of Chas I.'s judges 4] Willm, poet. & misc. ✓; ed. *Tatler*, † 1713.

Harrow, ⊙ Middlesex; school founded 1571; 6,000 inhabitants.

Harrowby, 1] D. F. Stuart Ryder, 3rd earl of, * 1831; M.P. 56, suc 82, Presdt. of Bd. of Trade 78–80, Ld. Privy Seal 85.
2] Dudley R., 1st earl of, * 1762; For. Sec. 1804, Presdt. of Bd. of Trade 08, of Council 12–28, † 47.

Harry, Blind, Scot. minstrel, 15th century.

Hart, 1] Emma, *v.* Hamilton, Lady 2] Solom. Alex., ⊕, * 1806; R.A. 40, † 11/6 81.

Harte, Fras Bret, Amer. humor. ✓, * 25/8 1839 Albany.

Hartebeest, zool, *alcephalus caama*, antelope; Africa.

Hartford, cap. ⊙ Connecticut, U.S.A; 55,000 inhabitants.

Hartington, Spencer Compton Cavendish, marq. of, eld. s. of 7th dk. of Devonsh, statesm., * 23/7 1833; M.P. 57, Lord of Adm. 63, Sec for War 66, Postm.-Genl. 68, Sec. for Ir. 71, for Ind. 80, for War 82, leader of Lib. Oppos. 75–80, of Lib. Unionists 86.

Hartlepool (E. & W), ⚓ ⊙ Durham, on Tees ⚓; 47,000 inh.; returns 1 M P.

Hartley, David, ✓, 1705, † 25/8 57 Bath.

Hartmann, 1] Jac., Baron v, Bav. genl, * 4/2 1795; in Fr serv. 1814–15, in Bav 16, commd 2nd Corps 70, † 22/2 73 Wurzburg. 2] Jul. von, Pruss. genl., * 2/3 1817 Hanover, commd. 1st Cav. Div 70, govr. of Strasburg 71, † 30/4 78 Baden. 3] Moritz, polit. & ✓, * 15/10 1821 Bohemia, † 13/5 72. 4] Robert, naturalist, * 8/10 1832 Blankenburg, to Afr. 59–60.

5] Ed. von, ⚗, * 23/2 1842 Berlin.

Hartshorn, pharm., concent. solution of ammonia

Hart's-tongue, ✿, the fern *scolopendrium vulgare.*

Hartzenbusch, Juan E., Span. ✍ & ✆ ✓, * 6/9 1806 Madrid, † there 3/8 80.

Harvard College, univ. fnded at Cambridge, Mass., 1636, by Rev. John H. & others.

Harveian Oration, annually deliv. to Fellows of Coll of Phys, Lond, in accord w will of W. Harvey.

Harvest Bug, entom., *leptus autumnalis, of order acarina*

Harvest Moon, moon at autumn equinox, when it rises at nearly same hour for sev. suc days.

Harvey, 1] Wm, ♥, * 1/4 1578 Folkestone; pubd. his disc. of the circul. of the blood 1616, † 3/6 57. ✓. 2] Gabriel, poet. ✓, * 1545, † 1630. 3] Sir Geo., ●, * 1805 St. Nimians; presdt. of Royal Scot Acad. 64, kntd. 67. † 22/1 76. ✓.

Harz, ▲ Germany, 56 × 20 m Chf. peak, the Brocken, 3,740 feet.

Hasdrubal, name of sev. Carth. ⚔ offrs., esp. a bro of Hannibal

Hase, Karl, †, * 25/8 1800; prof. at Jena 29.

Hasenclever, 1] J. P, genre ●, * 18/5 1810 Remscheid, † 16/12 53 Dusseldorf 2] Wm., social democrat, * 19/4 1837 Arnsberg.

Hashish, an intox. extract of Indian hemp.

Haslewood, Jos., bibliog., * 1769, † 1838.

Hasner, Leop, Aust statesm., * 15/3 1818 Prague, Min. of Educ. 67–70.

Hassan Pasha, 3rd son of Khedive Ismail, * 1854; commdr.-in-chf. of Egypt. army 76, served in Turk. 76–77, High Comm. of Soudan 85, † 22/3 88.

Hasselt, Belg ⊙; ⚔ 6/8 1831.

Hasselt, A. H C. v, Dut. ✍ & crit. ✓, * 3/ 1806 Maastricht, † 74.

Hastenbeck, Germ. vill, ⚔ 26/7 1757, Cumberld deftd. by D Estrees.

Hastings, pirate of 9th cent, defd. by Alfred ⚔ 896 Ware.

Hastings, mar ⊙ Sussex, 57,000 inh.; lets 1 M P; ⚔ 14/10 1066.

Hastings, Warren, statesm, * 6/12 1732 Churchill, Member of Counc of Calcutta 61, of Madras 65, govr. of Bengal 72, 1st Govr.-Genl. of Ind. 73–85, impeached for corruption, &c., 13/2 86, acquitted 17/4 95, † 22/8 1818 Daylesford.

Hastings, Franc Rawdon, 1st *marq. of,* ⚔ & *statesm., * 1754;* suc. as Earl Moira 93, Gov.-Genl of Ind. 1813–23, marq., gov of Malta, † 26

Hatchment, Achievement, armour-bearings of a dead person.

Hatfield, ⊙ Hertfordsh, resid of family of Cecil, built 1608–11.

Hatherley, Wm. Page Wood, 1st Lord, ♟, * 1801; Sol.-Gen. 51, Ld. Chancellor 68–72, † 10/7 81.

Hatti Scherif, any rescript signed by the Sultan

Hatton, 1] J. L, ♫ compos., * 1809, † 20/9 86 Margate. 2] Sir Christ., ♟, * 1539; Ld Chanc. 87, † 91. 3] Jos., nov. & misc ✓ & journ., * 1837

Hatzfeld, Paul M. H. G., Ct, Pruss statesm, * 8/10 1831; amb. to Turk. 78, For. Sec. 82, amb. to Eng 86.

Hauch, J H., poet, ✆, & ✍ ✓, * 12/5 1790 Frederikshald, † 4/3 1872 Rome.

Hauff, William, nov ✓, * 29/11 1802 Stuttgart, † there 18/11 27

Hauptmann, Moritz, ♫, * 13/10 1792 Dresden, † 4/1 1868 Leipzig.

Hauser, 1] Franz, ♫, * 12/1 1794

Krasowich, † 14/8 1870 Freiburg. 2] Kaspar, foundling of Nuremberg, fnd. 1828, apptly. 16, ignorant, & stating that he had been kept in a small place underground; was assassd. 33; his hist. a mystery.

Hausmann, J. F. L., ⚒ & ⚓, * 22/2 1782 Hanover, † 26/12 1859 Göttingen.

Hausrath, Ad. (pseud. Geo. Taylor), independent ✝, * 31/1 1837 Karlsruhe.

Häusser, L., ♛ ✓, * 26/10 1818 Kleeburg, † 17/8 67 Heidelberg.

Haussmann, G. Eug., Bar., * 27/3 1809 Paris; dir. of Crédit Mobilier, pref. of Seine 53–70.

Haussonville, J. B. de C., Ct., ♛ ✓, * 27/5 1809 Paris.

Hautbois, *v.* Oboe.

Haute Volée, Fr. = high flight; "upper ten."

Haüy, Rene Just., ⊙, * 28/2 1743, † 3/6 1826. ✓.

Havana, Habana, cap. ⊙ Cuba; cathed. 1724, univ. 28; 250,000 inh.

Havelock, Sir Hy., Brit. genl., * 5/4 1795 Bishop-Wearmouth; to Ind. 1823, relieved Cawnpur 17/7 57 & Lucknow 25/9 57, † there 24/11 57.

Havelock-Allan, *Sir Henry M.*, V.C., genl., s. of last, * 1830; servd. in Pers., Ind., N. Zealand, Canada; C.B. 66, M.P. 74.

Haverfordwest, one of Pembroke group of boros.; 6,500 inh.

Havre-de-Grâce, or Le Havre, ⚓ ⊙ Seine-Inf., Fr.; ⚒s; 90,000 inh.

Hawaii, *v.* Sandwich Islands.

Haweis, Rev. H. R., ♪ & misc. ✓, * 1840.

Hawes, Steph., poet. ✓, * 1483, † 1512. "Passe Tyme of Pleasure."

Hawfinch, ornith., common grosbeak, *coccothraustes vulgaris*.

Hawick, ⊙ Roxburgh, on Teviot ⚓; 16,500 inh.; unites with Galashiels & Selkirk to return 1 M.P.

Hawk, ornith., name of sev. sp. of gen. *accipiter & astur*: *Ac. nisus*, sparrow-h.; *As. palumbarius*, goshawk.

Hawk-moth, entomology, any sphinx-moth.

Hawke, Edw., Lord, ⚓ offr., * 1705; capt. 34, rear-adm. 47, vict. at ⚔s Belleisle & Quiberon Bay, 1st Lord of Admiralty 65, peer 76, † 81.

Hawker, Rt. Steph., ✝ & poet. ✓, * 1805; vic. of Morwenstowe, † 75.

Hawkins, Sir John, Eng. ⚓, * *ca.* 1532 Plymouth; introd. slaves to W. Ind. 62, M.P. 72, Treas. of Navy 73, V.-Adm. against Armada 88, kt.; w. Drake to W. Ind., † off Porto Rico 95. 2] Sir Hy., ⚖, * 1816; Just. of Q.'s Bench 76.

3] Sir John, editr., * 1719, † 89. 4] Ben. Waterhouse, ⚒ & anat., * 8/2 1807 London. ✓.

5] Cæsar Hy., surg., * *ca.* 1798.

Hawkshaw, Sir John, ⚙, * 1811 Leeds; knight 73. ✓.

Hawkweed, ❦, *hieracium pilosella*.

Hawthorn, ❦, *cratægus oxyacantha*, or white-thorn.

Hawthorne, 1] Nathanl., Amer. nov. ✓, * 4/7 1804 Salem, Mass.; consul at Liverpool 53–57, † 19/5 64 Plymouth, New Hampsh. "Scarlet Letter," &c. 2] His s. Julian, nov. & misc. ✓, * 1846; in England 74–82.

Hay Fever, ✝, severe catarrh *caused by inhal. of pollen of grass.*

Haydn, Jos., ♪ comp., * 31/3 1732 Rohrau, Aust.; to Eng. 91, 94, † 31/5 1809 Vienna. *Creation* 1795.

Haydon, Benj. Robert, ♛ ⚙, * 26/1 1786 Plymouth, † by suic. 22/6 1846 London.

Hayes, 1] Rutherford B., President of U.S.A. 1877–81, * 4/10 1822 Ohio. 2] Isaac Israel, Arct. travlr., * 5/3 1832, † 18/12 81. ✓. 3] Aug. Allen, ☾, * 28/2 1806 Windsor, Vermont. ✓.

Hayley, Wm., poet. and biog. ✓, * 9/11 1745 Chichester, † 20/11 1820 Feltham. "Life of Cowper."

Haym, Rud., ✍ and statist., * 5/10 1821 Grünberg; fnded. Prussn. *Jahrbuch*.

Haymerle, H. Karl, Baron, Aust. statesm., * 7/12 1828 Vienna; For. Min. 79, † 10/10 81 Vienna.

Haynau, Jul. Jac., Bar., Aust. genl., s. of Wm. I. of Hesse, * 14/10

1786; served against Hung. revol. 1849–50, † 14/8 58 Vienna.

Hayti, or St. Domingo, repub. at W. end of isle of St. D.; 10,204 s.m., 800,000 inh; procld. 14/6 1867; govd. by Presdt., Senate, & Ho. of Rpresta.; rev. *ca.* £1,300,000, debt *ca.* £2,700,000. Cap. ⊙, Port-au-Prince.

Hayward, 1] Sir John, ♛ /, * 1560, † 1627. 2] Abraham, misc. & essay /, * 21/10 1808, † 2/2 84.

Haywood, Eliza, miscell. /, * 1693, † 1756.

Hazara, distr. of Bengal; 7,020 s.m., 780,000 in. Chf. ⊙, Hazaribagh.

Hazel, ✱, *corylus avellana*, of wh. filbert & cob-nut trees are vars.

Hazlitt, 1] Wm., essay & critic. /, * 10/4 1778 Maidstone, † 18/9 1830 London. 2] His grd.-s., Wm. Carew, ♛, Ψ, & critic. /, * 1843.

Head, 1] Sir Frns. B., statesm. & /, * 1/1 1793 nr. Rochester; govr. of Upp. Canada 1836–39, † 23/7 75. 2] Sir Ed. W., misc. /, * 1805, † 28/1 68. 3] Sir Geo., misc. /, * 1782, † 1855.

Headley, Joel Tyler, Amer. ♛ & misc. /, * 30/12 1814 Walton, New York.

Healy, 1] Tim. Mich., Ir. polit., * 1855 Bantry; sec. to C.S. Parnell 80, M.P. 80. 2] His bro., Maurice, * 59; M.P. 86. 3] Geo. P. Alex., Amer. ●, * 15/7 1818 Boston; to Rome 67.

Hearne, Thos., Ψ, * 1678, † 1735.

Heart, anat., centre of circulat. system; musc. conical bod. lying betw. lungs; conta. above 2 auricles, below 2 ventricles; communic. on ea. side being free betw. auricle to ventricle, but not *vice versâ*. Its actn. is that of force pump, driving blood from left side thro' arteries & back to rt. side by veins. Vitiated blood is carried from right ventricle by pulmonary artery, & returned by 4 pulmon. veins to left ventricle. Pulsatns. in adult 60–75 per min.

Heart's Ease, ✱, *viola tricolor*; pansy.

Hearth Money, Eng. tax on hearths; imposed 1666, confirmed by Parlt. 1663, abold. 1689.

Heat, a form of energy; result of motion of molecules of matter: transmtd. by conductn., convectn., or radiation; measd. by thermometer & calorimeter. Heat suff. to raise tempt. of 1 lb. water 1° has power of lifting 772·5 lbs. 1 ft. (*See* Tyndall's or Stewart's Treatises.)

Heath, heather, ✱, *calluna vulgaris*. The genus *erica*, esp. cross-leavd. H., *E. tetralix*; Cornish H., *E. vagans*; Scot. H., *E. cinerea*.

Heath, Jas., ♛ /, * 1629, † 64.

Heathcote, Ralph, misc. /, * 1721, † 95.

Heathfield, Lord, *v.* Elliot, G. A.

Heavy Spar, ⊕, barytes, often fnd. w. lead; sulphate of barium.

Hebbel, F., trag. ✆ /, * 18/3 1813 Wesselburen, † 13/12 63 Vienna.

Hebe, Grk. myth., goddess of youth (Lat. *Juventas*). ★, asteroid discd. by Encke 1/7 1847.

Hebel, J. Pet., poet. /, * 11/5 1760 Bale, † 22/9 1826 Schwetzingen.

Heber, Reginald, † & poet. /, * 21/4 1783 Malpas; bp. of Calcutta 1823, † 3/4 26 Trichinopoly.

Hébert, 1] Jacq. René, Fr. revol., * 1755 Alençon, guillotnd. 24/3 94. 2] A. A. Ernest, ●, * 3/11 1817 Grenoble; direct. of Fr. Acad. at Rome.

Hebra, Ferd. v., ✱, * 1816 Brünn, † 5/8 80 Vienna.

Hebrew, lang. of the Jews; of Semitic order, written from right to left. Lexicon by Gesenius.

Hebrides, 1] Western Isles of Scot. betw. Lewis & Barra Hd. 2] New H., *v.* New Hebrides.

Hecate, Grk. myth., dau. of Perses & Asteria.

Hecatomb, sacrif. of 100 oxen.

Hecker, Fried., revolut., * 28/9 1811 Eichtersheim; caused rising 48, fled to Amer., † 24/3 81 St. Louis.

Hecla, volc. ▲ Iceland, 5,210 ft.

Hectare, superf. meas. = 10,000 sq. metres = 107642·9934 sq. feet; 100 ares.

Hectic Fever, ✱, often caused by debility; rapid feeble pulse, perspiration, waste of tissue.

Hectogramme, meas of wght = 100 grammes = 1543 2348 grs

Hectograph, apparat for mult copies of writings. Sheet of 100 pts glue, 100 pts dextrin, 100 pts glycerine, & ·8 pts sulphate of barytes On this an impressn is taken from writing in aniline ink, & the impression can then be printed from

Hectolitre, meas of capac = 100 litres = 6102 7051 cubic inches = 176·0773 pints.

Hectometre, lineal meas = 100 metres = 3937 0790 inches

Hector, class myth, s of Priam & Hecuba, husb. of Andromache, killed by Achilles.

Hecuba, class myth., wife of Priam, king of Troy

Hedberg, Franz Theod, ♁, * 2/3 1828 Stockholm

Hedgehog, zool, *erinaceus europeus;* the fam *erinaceidæ*, covd w erectile spines, insectivorous

Hedge Hyssop, ☘, *gratiola officinalis.* H Mustard, ☘, *sisymbrium officinale* H Sparrow, or H Warbler, ornith, *accentor modularis*

Hedgeley Moor, Northumb; ⚔ 25/4 1464, Lancastrs deftd

Heem, J D de, flower ☙, * 1605 Utrecht, † 84 Antwerp

Heer, Osw, ☘ & palæont ✓, * 31/8 1809, † 27/9 83 Lausanne

Heeren, 1] A H, ♛ ✓, * 25/10 1760 Arbergen, † 7/3 1842 Gottingen. 2] Fried., ♃, * 11/8 1803 Hamburg. ✓

Hefele, K J., R Cath † ♛ ✓, * 15/8 1809; bp. of Rottenburg 69

Hefner-Alteneck, Jac H v, art ✓, * 1811 Aschaffenburg, director of Munich Mus

Hegel, Geo Wm Fried, ☙ ✓, * 27/8 1770 Stuttgart, † 14/11 1831 Berlin; prof there 1818–31

Hegira, the Mahom era; dates from flight of Mahomet from Mecca to Medina, 15/7 622 Year is lunar

Hehn, Vict., ♛ ✓, * 8/10 1813 Dorpat.

Heiberg, 1] P. And, poet. & ♁ ✓, * 16/11 1758 Bordingborg, † 30/4 1841 Paris 2] His s, J. L, ♁ ✓, * 17/12 1791, † 25/8 1860

Heidegger, Karl Wm, Bar v, landscape ☙, * 1788, † 21/2 1861 Munich.

Heidelberg, ⊙ Baden, on Neckar ⚓; univ fnded. 1856, ruined castle 13th cent; 24,000 inh.

Heigel, 1] Karl, poet & ♁ ✓, * 20/3 1835 Munich 2] K. Theod, ♛ ✓, * 23/8 1842 Munich.

Heilbron, Mme., com ♁, * 1851; joined stage 66, † 31/3 86 Nice.

Heim, Ern. Lud., ☙, * 22/7 1747 Solz, † 15/9 1834 Berlin.

Heine, Heinrich, poet & misc ✓, * 13/12 1799 Düsseldorf; educ. at Bonn, Gottingen; to Paris 31, † there 17/2 56.

Heinicke, Saml, teachr of deaf mutes, * 10/4 1729, † 30/4 90 Leipzig.

Heinrich Germ = Henry (*q v*).

Heinse, Wm., ✓, * 16/2 1749 Langenwiesen, † 22/6 1803.

Heir, ♃, one who succeeds in possession of land, tenements, &c. H-at-Law, he who sucs. by common law at death of holder. H.-Apparent, he who is entitled to suc. on death of holder H.-Presumptive, he who, if holder should now die, would suc, but whose right may be deftd. by a contingency.

Heis, Ed, ✱, * 18/2 1806 Cologne, † 30/6 77 Münster. ✓.

Helena, 1] Grk myth, dau. of Zeus & Leda, w of Menelaus; seduced by Paris, cause of Trojan War. 2] Flavia Julia (St.), * 247, † 327, moth. of Constantine the Gt.

Helena, St., v St. Helena.

Helferich, J A R., econ, * 5/11 1817 Neuchâtel; prof. at Munich.

Helianthus, ☘, sunflower.

Helicon, ⛰ Bœotia; seat of the Muses.

Heligoland, Brit isle in N. Sea, at mouth of Elbe; Dan. till 1807; 4 s m, 2,000 inh.

Heliocentric, ✱, having the sun as a centre.

Heliogabalus, or Elagabalus (Bassianus), Roman Emp., * 201; prst of Baal in Syr., suc. 21, murd. 22.

Heliograph, instr. by wh. signals are made by reflected rays of sun.

Heliogravure, *v.* Photography.

Heliopolis, *v.* Baalbec.

Heliostat, instr. for reflectg. ray of sunlight contin. in one directn.

Heliotrope, 1] ⊕, *v.* Bloodstone. 2] ♃, gen. *heliotropium*, esp. Peruv. H., *H. peruvianum*, cherry-pie.

Hellas, Greece.

Helle, Grk. myth., dau. of Athamas; drowned in Hellespont.

Hellebore, ♃, 1] the gen. *helleborus*, esp. *H. niger*, Christmas rose; *H. fœtidus*, stinking H. 2] The genus *veratrum*.

Heller, 1] Robt., nov. ✓, * 24/11 1812 Grossdrebnitz, † 7/5 71. 2] Stephen, ♆, * 15/5 1814 Pesth; pianist.

Hellespont, anct. name for Dardanelles.

Hellmesberger, Jos., violinist, * 3/11 1829 Vienna; director of Vienna Conserv.

Hellwald, Ferd. v., ☉ & crit. ✓, * 29/3 1842 Padua.

Helmholtz, Herm. L. Ferd., physiol. & nat. ♃, * 31/8 1821; prof. at Berlin 71. ✓.

Helmore, Rev. Thos., † ♆, * 7/5 1811 Kidderminster.

Helmstadt, Bav. ⊙; ⚔ 25/7 1866.

Heloise, *v.* Abelard.

Helots, Dorian slaves in anct. Sparta.

Helps, Sir Arth., misc. ✓, * 10/7 1813 Balham Hill; Clerk to the Counc. 60, kt. 72, † 7/3 75. "Friends in Council" 47, 51.

Helsingfors, cap. ⊙ Finland; ⚓ ⊕, on Gulf of F.; founded 1642: Russ. since 1808; univ. removed from Abo 1827; 43,000 inh.

Heist, Barthol. van der, ●, * 1613 Haarlem, † 70 Amsterdam.

Helvetii, anct. Celts of Switz.

Helvetius, Claude Adrien, ♃, * 1715 Paris, † there 26/12 71; advocated selfishness as guiding principle.

Helvig, Amelie, *née* Imhoff, poet. ✓, * 16/8 1776 Weimar, † 17/12 1831.

Hemans, Felicia Dorothea, *née* Browne, poet. ✓, * 25/9 1793 Liverpool, † 16/5 1835 Dublin.

Hemiptera, entom., ord. incldg. plant-lice, bugs, cicadas, cochineals.

Hemlock, ♃, *conium maculatum*, poison. umbell. Brit. plnt. Water H., cowbane (*q.v.*).

Hemp, ♃, *cannabis sativa*, conts. an intox. resin (Hachish or Churrus): fibre obtd. by maceration.

Henbane, ♃, the gen. *hyoscyamus*, esp. *H. niger*; conts. poison. alkaloid (hyoscyamine) used in ℞.

Henderson, Lt.-Col. Sir E. Y. W., * 1821; in Roy. Eng. 38–62, Chf. Commissnr. of Metrop. Police 69–22/2 86.

Hendrichs, Herm., ☽, * 17/10 1809 Cologne, † 1/11 71 Berlin.

Hendricks, T. A., Amer. polit., * 7/9 1819 Ohio; govr. of Indiana 72, V.-Presdt. of U.S.A. 84, † 25/11 85.

Hendschel, Alb., ●, * 1834 Frankfort-on-Main, † there 22/10 83.

Hengist, Sax. pirate who, w. his bro. Horsa, assistd. Vortigern agst. the Picts, & obtd. Kent, † 488.

Hengstenberg, E. W., crit. & † ✓, * 20/10 1802, † 28/5 69 Berlin.

Henley, John ("Orator"), polit., †, & misc. ✓, * 1692, † 1756.

Henna, ♃, *lawsonia alba*, Egypt. shrub, conts. red colouring matter used by women to dye their nails.

Henneberg, 1] J. W. Jul., ✓ ♃, * 10/9 1825; prof. at Gottingen 65. ✓. 2] Rud., ●, * 13/9 1826 Brunswick, † there 14/9 76.

Henner, Jean Jacq., ☽, * 5/3 1829 Bernweiler.

Henrietta, 1] Duch. of Orleans, dau. of Chas. I. of Eng., * 1644; m. 61, † 70. 2] H. Maria, dau. of Hy. IV. of Fr., * 1609; m. 25 to Chas. I. of England, † 69.

Henry, 8 *kings of Eng.*: 1] I., Beauclerc, youngest s. of Wm. I., * 1068 Selby; suc. 8/8 1100, † 1/12 1135 Rouen. 2] II., eld. s. of Geoffrey of Anjou & Matilda, d. of Hy. I., * 5/3 1133 Le Mans; suc. 25/10 1154, † 6/7 1189 Chinon; conqd. Irlnd. 72. 3] III., eld. son of John, * 1/10 1207; suc. 18/10 1216, † 6/11 72 Bury

St. Edmunds. 4] IV., eld. s. of John of Gaunt, 3rd s. of Edwd. III., * 4/4 1366; suc. 13/10 99, his usurp. causd. Wars of the Roses 1455–85, † 20/3 1413. 5] V., son of 4, * 19/8 1387; suc. 20/3 1413, vict. at ⚔ Agincourt, † 31/8 1422 Vincennes. 6] VI., s. of 5, * 6/12 1421; suc. 22, lost France, captd. & imprisd. by Edw. IV. 60–70, murd. in Tower 20/6 71. 7] VII., son of Edm. Tudor, by the widow of 5, * 26/7 1456 Pembroke; deftd. Rich. III. & seized crown 22/8 85, mar. Eliz., dau. of Edw. IV., & so united York & Lancaster; † 22/4 1509 Richmond. 8] His s., VIII., * 28/6 1491 Greenwich; suc. 1509, mar. in success. Catharine of Arragon, Anne Boleyn, Jane Seymour, Anne of Cleves, Catherine Howard, Catherine Parr (*q.v.*); † 27/1 1547 Westminster. 4 *ks. of Fr.*: 9] I., * 1005; suc. 31, † 60 Vitry. 10] II., son of Francis I., * 31/3 1518; suc. 47, † 10/7 59 of wound recd. in tourney; husband of Cath. de Medicis. 11] His 3rd son, III., * 19/1 1551; k. of Poland 73, of Fr. 75, persecd. Huguenots, murd. 1/8 89. 12] IV. of Navarre, s. of Antony de Bourbon, * 13/12 1553 Pau; king of Navarre 69, head of Prot. party, suc. 93, signed Edict of Nantes 98, murd. 14/3 1610 by Ravaillac; husb. of Marg. of Valois & Marie de Medicis. 7 *Emps. of Germ.*: 13] I., Duke of Sax., * 876; Emp. 919, † 2/7 36. 14] II., * 972; dk. of Bav. 95, Emp. 1014, † 13/7 24. 15] III. ("the Black"), s. of Conrad II., * 28/10 1017; duke of Bav. 27, Emp. 39, † 5/10 56. 16] His son, IV., * 11/11 1050; opposed Pope Greg. VII., went to Canossa 77, took Rome 81, 84, abdicated 1105, † 7/8 06 Liége. 17] His s., V., * 1081; Emp. 1111, † 23/5 25. 18] VI., s. of Emp. Fredk. I., * 1165; Emp. 91, † 28/9 97. 19] VII. of Luxembrg., * 1269; Emp. 1312, poisd. 24/8 13. 20] Prince Alb. Wm. H., 2nd s. of Crown P. of Pruss., * 14/8 1862; in Germ. navy. 21] Eld. s. of Jas. I. of England, * 1594, † 1612. 22] Son of Hy. II. of Eng., * 1155; m. Marg., dau. of Louis VII. of Fr., rebelld. agnst. his fath., † 83 Martel.

Henry, 1] Matt., ✝ ✓, * 1662 Broadoak, * 22/6 1714 Nantwich. 2] Robt., Presb. ✝ & ✍ ✓, * 1718, † 90. 3] Pat., Amer. statsm. & orat., * 1736; 1st repub. govr. of Virginia, † 99.

Henry the Navigator, son of John I. of Port., * 4/3 1394; to W. coast of Afr., † 13/11 1460 Chagres.

Henry of Huntingdon, *v.* Huntingdon.

Henry of Meissen, minnesinger, *ca.* 1260–1318, Mayence.

Henry of Mohrungen, minnesinger, *ca.* 1200, Thuringia.

Henry of Ofterdingen, *ca.* 1200.

Henrysoun, Robt., Scot. poet. ✓, † 1508.

Hensel, 1] Wm., ☻, * 6/7 1794 Trebbin, † 26/11 1861 Berlin. 2] His w., F. Mendelssohn Bartholdy, ♀, † 14/5 1847. 3] His sist., Louise, poet. ✓, * 30/3 1798, † 17/12 1876.

Henson, Rev. Josiah, negro, orig. of Mrs. Stowe's "Uncle Tom," * 15/6 1789 Maryland; escpd. from slavery 1830.

Henty, Geo. Alf., journ. & rom. ✓, * 8/12 1832 Trumpington; spec. corresp. of the *Standard* in Austr., Tyrol, Abyssin., Ashantee, France, Spain, &c.

Henzen, Wm., Ψ, * 24/1 1816 Bremen; sec. of Rom. Archæol. Inst. 56, † 27/1 87.

Hepatitis, ✚, inflam. of liver.

Hephæstus, Grk. = Vulcan, *q.v.*

Heptarchy, collect. name of kgdms. estab. in Brit. after depart. of Roms., viz., Kent, fnded. 449; Sussex, 477; Wessex, 495; Essex, 527; Northumbria, 547; East Anglia, *ca.* 575; Mercia, *ca.* 582. Paramount P. of H. was called Bretwalda. H. at last united under Egbert of Wessex 827. Betw. 449–827 there were sometimes more or less than 7 kingdoms.

Hera, Grk. = Juno (*q.v.*).

Heracles, Grk. = Hercules (*q.v.*).

Heracleum, ✿, cow-parsnip.

Heraldry, science of armoury, or blazoning of armorial bearings which anctly. distgd. warriors. In uncoloured illusts., colours or *tinctures* are denoted thus :—

Or = gold; *argent* = silver; *azure* = blue; *gules* = red; *vert* = green; *purpure* = purple; *sable* = black; *proper* = the nat. colour of an objct. A law of H. is that metals are never put upon metals, or colours upon colours. *See* "The Pursuivant of Arms," J. R. Planché.

Heralds' College, or College of Arms, incorp. body endowed 1483, which regulates armor. bearings in Eng. Offrs.: Earl Marshal, 3 Kings-at-Arms (Garter, Clarencieux, Norroy), 6 Heralds (Richmond, Lancaster, Chester, Windsor, Somerset, York), 1 extra Herald (Surrey), 4 Pursuivants (Blue-mantle, Portcullis, Rouge Dragon, Rouge Croix). In Scot., H. C. consists of Lyon K.-at-Arms, 6 Heralds, 6 Pursuivants; in Ireland, of Ulster King-at-Arms, 2 Heralds, 4 Pursuivants.

Herat, ⊙, N.W. Afghanistan, 550 m. W. of Cabul, 370 m. N.W. of Candahar, 63 m. from new Russian frontier (1887); 25,000 inh.

Herand, J. Abr., Eng. poet. & misc., ✓, * 1799.

Hérault, marit. dept. of Fr., pt. of old prov. Languedoc; 2,444 s.m., 450,000 inh. Chf. ⊙, Montpellier.

Herbart, J. F., ♙, * 4/5 1776 Oldenburg, † 14/8 1841 Göttingen.

Herbeck, Jos., ♫, * 25/12 1831 Vienna, † there 28/10 77.

Herbert, 1] Geo., † & poet. ✓, * 3/4 1593 nr. Montgomery; rect. of Bemerton, nr. Salisb'ry, 1630, † there 33. 2] His bro., Edw., Ld. H. of Cherbury, ♙, ♛, & deist. ✓, * 1582 Eyton; amb. to Paris 1618–25, † 48. 3] Hy. Wm., sport. ✓ (*pseud.* Frank Forester), * 1807; to Amer., † 58. 4] Sir Thos., ♛ & Ψ ✓, * 1610, † 82. 5] Wm., Ψ, * 1718, † 95. 6] Sidney, Ld. H. of Lea, statesm., * 1810; M.P. 32, Sec. of Admlty. 41, of War 45, Col. Sec. 52, Sec. of War 58, peer 60, † 61. 7] Sir Thos., polit., Ψ, & ✓, * 1605, † 82. 8] John R., ☕, * 23/1 1810 Maldon; R.A. 46.

Herbs, Herbaceous Plants, ✿, plants with soft non-woody stems, which genlly. die down in winter.

Herbst, 1] Edw., Austr. statesman & ⚖, * 9/12 1820 Vienna; Min. of Just. 67–70. 2] Wm., ♛ ✓, * 8/11 1825 Wetzlar, † 20/12 82 Halle.

Herculaneum, ⊙ near Naples, destd. by earthqk. 63, & by erup. of Vesuvius 24/8 79; ruins discd. 1720.

Herculano de Carvalho, Alx., poet. & rom. ✓, * 28/3 1810 Lisbon, † 13/9 77 Santarem.

Hercules, 1] class. myth., son of Jupiter & Alcmene; strong; perfd. 12 labours for his bro. Eurystheus. 2] ✱, constell. in N. hemisphere betw. Vega & Crown.

Hercules, Pillars of, ancient name for ▲s Hacho (Abyla) & Gibraltar (Calpe) at W. entrance of Mediterranean.

Herd, Dav., Ψ, * 1732, † 1810. ✓.

Herder, 1] J. Gottfried, Germ. poet., ♙, & † ✓, * 25/8 1744 Mehrungen, † 18/12 1803 Weimar. 2] His w., Marie Caroline, *née* Flachsland, ✓, * 28/1 1750, † 15/8 1809.

Heredity, tendency of ancestral conditions to recur in descendants.

Herefordshire, co. of W. Eng.; 832 s.m., 122,500 inh.; rets. 2 M.P.s: N. (Leominster), S. (Ross). Chf. ⊙, Hereford, on Wye; bpric., cathed. blt. 1079–1148; 10,000 inh.; rets. 1 M.P.

Hereward the Wake, Eng. outlaw in *Isle of Ely 1070*, † *ca.* 73.

Héricourt, Fr. ⊙; ✕ 15–17/1 1871.

Heriot, ⚖, custom in some manors of payment of fine by copy-

holder to lord of manor on transfer of copyhold.

Heriot, Geo., philanth., * 1563 Edinburgh, † 1623 London.

Herkomer, Hubert, ◉, * 1849 Waal; A.R.A.

Hermann, 1] Gottfried, philol., * 28/11 1772 Leipzig, † there 31/12 1848. "Greek Grammar." 2] Karl Fried., Ψ, * 4/8 1804 Frankfort-on-Main, † 31/12 55 Göttingen. ⁄.

Hermann, *v.* Arminius.

Hermaphrodite, posag. male & female generat. orgns.; *e.g.*, in ⚥, stamen & pistil.

Hermas, Christ. † ⁄, 2nd cent.

Hermes, Grk. = Mercury. H. Trismegistus, Grk. = Egyptian god Thoth.

Hermes, J. T., rom. ⁄, * 31/5 1738 Petznick, † 24/7 1821 Breslau.

Hermetic Philosophy, alchemy.

Hermit Crab, zool., a marine crab, *pagurus bernhardus.*

Hernia, ✱, rupture; protrusion of bowel; most com. in the groin.

Hero, Grk. myth., priestess of Aphrodite, whose lover, Leander, swam to her across the Hellespont.

Hero, math. & ⊕, *ca.* 215 Alexandria; experimented with steam.

Herod, 1] the Grt., tetrarch of Judæa 40 B.C., * 72, † 4 B.C. 2] His s., H. Antipas, tetr. of Galilee; exiled to Lyons 39. 3 & 4] *v.* Agrippa.

Herodias, w. of Herod Antipas; obtd. exec. of John the Baptist.

Herodotus, Grk. ♛ ⁄, * 484 B.C. Halicarnassus, † *ca.* 424 Thurii.

Herold, L. J. Ferd., ♛, * 28/1 1791 Paris, † there 19/1 1833. *Zampa.*

Heron, ornith., a wader, *ardea cinerea*, Brit.; the gen. *ardea.* Night H., *nycticorax.*

Heron, Robt., ♛ & misc. ⁄, * 1764, † 1807.

Herostratus, an Ephesian who burnt hims. to gain celeb. 356 B.C.

Herrera, Fernando de, poet. & ♛ ⁄, * 1534 Seville, † 97.

Herrick, Robt., poet. ⁄, * 1591 London; vicar of Dean Prior, † there 1674. "Hesperides" 48.

Herrig, Hans, ◐ & journ. ⁄, * 10/12 1845 Brunswick; ed. *Deutsche Tageblatt.*

Herring, ichth., *clupea harengus.* Brit. fishery origly. controlled by Stat. of Herrings 1357.

Herschel, 1] Sir Fredk. Wm., ♄, * 15/11 1738 Hanover; disco. Uranus 81, mnfd. large telescp. 89, kt. 1816, † 25/8 22 Slough. 2] His sist., Caroline Lucretia, * 16/3 1750, † 9/1 1848. 3] S. of 1, Sir John F. W., ♄, * 7/3 1792 Slough; senr. wrangler 1813, bart. 37, Master of the Mint 50–55, † 11/5 71 nr. Hawkhurst. ⁄.

Herschel, ♄, old name of planet Uranus (*q.v.*).

Herschell, Farrer, 1st Bar., ♄, * 1837; Sol.-Genl. 80, Ld. Chanc. 86.

Hertfordshire, inl. co. of Eng.; 611 s.m., 203,000 inh.; rets. 4 M.P.s: Mid (St. Albans), E. (Hertford), W. (Watford), Hitchin. Chf. ⊙, Hertford, on Lea ⚓; 8,600 inh.

Hertha, Scand. myth., goddess of earth.

Hertz, Henrik, Dan. poet., ◐, & rom. ⁄, * 25/8 1798, † 25/2 1870.

Hertzberg, Gust. Fried., ♛ ⁄, * 19/1 1826 Halle; professor there 60.

Hervey, 1] Jas., Eng. † ⁄, * 1714 Hardingstone; rect. of Western Favell, † 58. "Medits. among the Tombs." 2] Lord John, polit. & biog. ⁄, * 1696, † 1743. 3] Thos. Kibble, poet. ⁄, * 1804; ed. *Athenæum* 46–54.

Herwegh, Geo., poet. ⁄, * 31/5 1817 Stuttgart, † 7/4 75 Lichtenthal.

Herzegovina, prov. of Europ. Turk., 4,808 s.m., 212,000 inh.: Turk. since 1699, occupd. since 1878 by Austr.; Chief ⊙, Mostar.

Herzen, Alex., polit. ⁄, * 25/3 1812 Moscow, † 21/1 70 Paris.

Herzog, Germ. = war-leader; dk.

Hesekiel, Geo. Lud., rom. ⁄, * 12/8 1814 Halle, † 26/2 74 Berlin.

Hesiod, Grk. poet. ⁄, *ca.* 8th cent. B.C.

Hesperides, Grk. myth., 3 sisters, guardians of the gold. apples given by Ge to Hera.

Hess, 1] Karl, etcher, * 22/1 1755 Darmstadt, † 25/7 1828 Munich. His sons, 2] Pet., ✕ ●, * 29/8 1792 Düsseldorf, † 4/4 1871 Munich; 3] H., ♛ ●, * 19/4 1798, † 29/3 1863; and 4] Karl, genre ●, * 1801, † 16/11 74. 5] Bar. Herm. J. F., Austr. genl., * 17/8 1788 Vienna, † 13/4 1870.

Hesse, Grd. Dchy. of Cent. Germ.; 2,965 s.m., 940,000 inh. Cap. ⊙, Darmstadt. Govrd. by Grd. Dk., Louis IV. (*q.v.*), & 2 Chambers. Rev. *ca.* £1,220,000, debt £1,020,000.

Hesse-Cassel (Electoral H.), distr. of Pruss. prov. H.-Nassau; indept. till 1866.

Hesse-Homburg, pt. of Pruss. prov. H.-Nassau; indept. landgravate till 1866.

Hesse-Nassau, prov. of Pruss.; 5,943 s.m., 1,560,000 inh. Chf. ⊙, Cassel.

Hessus, H. Eobanus, Germ. poet. ✓ in Lat., * 6/1 1488 Bockendorf, † 4/10 1540 Marburg.

Hestia, Grk. = Vesta.

Hetman, chief of Cossacks.

Hettner, Herm., ♛ & crit. ✓, * 12/8 1821, † 29/5 82 Dresden.

Hetzel, Jules, publr. & ✓, * 1813, † 17/3 86 Monte Carlo.

Heuglin, Theod. v., Afr. travlr., * 20/3 1824 Hirschlanden; to Egypt 50, to Cent. Afr. 61–65, to Red Sea 74, † 5/11 76 Stuttgart. ✓.

Heurtley, Chas. Abel, †, * *ca* 1806; canon & Marg. prof. of †, Oxford, 53. ✓.

Hexagon, geom., plane figure bounded by 6 straight lines w. 6 angles.

Hexahedron, geom., a cube; regul. solid 6-sided body.

Hexameter, a 6-footed verse, first 4 being either dactyls or spondees, 5th dactyl, 6th spondee: heroic verse of Grks. & Roms.

Hexastyle, ⚠, bldg. with six columns in front.

Hexham, ⊙ Northumb.; ✕ 15/5 1464, Lancastrs. deftd.

Heyden, 1] Otto, ♛ ●, * 1820 Ducherow. 2] Aug. v., ♛ ●, * 1827 Breslau.

Heylin, P., Eng. misc. ✓, * 1600, † 62.

Heyne, 1] Christ. Gottf., philol., * 25/9 1729, † 14/9 1821 Göttingen. 2] Moritz, philol., * 8/3 1807; prof. at Bale 70.

Heyse, 1] J. C. A., philol., * 21/4 1764, † 27/6 1829 Magdeburg. 2] His s., W. L., philol., * 15/10 1797, † 25/11 1855 Berlin. 3] His s. Paul, poet. & ✆ ✓, * 15/3 1830 Berlin.

Heywood, 1] John, ✆ & poet. ✓, * 1506 North Mimms, † 1565 Malines. 2] Jasper, ✆ & poet. ✓, * 1535, † 98. 3] Thos., ✆ ✓, † 1640.

Hibbert, J. T., polit., * 1824; M.P. 62, Fin. Sec. to Treas. 84–85, Sec. of Admlty. 86.

Hibernation, long winter sleep of cert. anims., *e.g.*, dormouse, frog.

Hibernia, anct. name of Ireland.

Hibiscus, ✿, gen. of *malvaceæ*, incl. *H. esculentus* of tropics; fruit used as food.

Hiccough, Hiccup, spasm of the diaphragm, gently. caused by irrit. of stomach, but often nervous.

Hic jacet, Lat. = here lies.

Hickory, ✿, the genus *carya*; tough-wooded; prods. edible nuts; esp. *C. alba*, comm. H. of N. Amer.

Hicks Pasha, Brit. ✕ offr., * 1831; in Egypt. serv., † Nov. 82.

Hicks-Beach, *v.* Beach.

Hidalgo, Span. = s. of somebody; title of lower nobility.

Hide, anct. Eng. superf. meas. = 60–120 acres.

Hiel, Emma, Belg. poet. ✓, * 31/5 1834 Dendermonde. "Lucifer."

Hieratics, abbrevd. hieroglyphics. Hieratic, priestly.

Hieroglyphics, pictures usd. to express ideas & words; origin of letters; anct. Egypt, Mex., China. Egypt. H.s first deciphered 1798.

Hierro, *v.* Ferro.

Hifferman, Paul, ✆ & misc. ✓, * 1719, † 77.

Higden, Ralph, ♛ & ✆ ✓, † 1363. "Polychronicon."

Higgins, 1] John, ✓, * 1544, † 1605. "Mirror for Magistrates." 2]

Matt. J. ("Jacob Omnium"), social ✓, esp. in *Times*, * 1810, † 14/8 68.

High Church, orig.ly. a party in Ch. of Eng. wh. demand. strict enforcemt. of ✝'s agst. dissenters; opposed Calvinism: now profs. adherence to rites & doctrs. of Cath. Church, esp. w. ref. to Eucharist.

High Commission, Court of, ✝, eccles. court in Eng.; fnded. 1549, abold. 1641.

High Court of Justice, ✝, the result of the merging in 1875 of the Eng. Cts. of Chancery, Q.'s Bench, Comm. Pleas, Excheq., &c.; now divid. into 3 divs.: Chanc., Q.'s B., & Prob., Divor., & Admlty. The H. C. of J. forms, w. the Ct. of Appeal, the Supreme C. of Judicature.

1 **Treason**, v. Treason.

ry, St., † ✓, bp. of Poictiers 353, † 368; fest. 13/1.

Hilda, St., abbess of Hartlepool & Whitby, † 680.

Hildebrand, St., Gregory VII., Pope 1073–86.

Hildebrand, H. R., philol., * 13/3 1824 Leipzig.

Hildebrandt, Edw., Indsep. ☕, * 9/9 1818 Dantzic, † 25/10 68 Berlin.

Hilgenfeld, Ad., ✝, Bibl. crit., & ✍ ✓, * 22/6 1823; prof. at Jena.

Hill, 1] Sir Rowland, * 3/12 1795 Kidderminster; advoctd. intrd. of ld. post 1837, Sec. to Post Office 46–61, kt. 60, † 27/8 79. 2] Alex. Staveley, ✝, * 1825; Q.C. 68, M.P. 68, Judge Adv. of the Fleet 86. ✓. 3] Aaron, poet. & ✍ ✓, * 1685, † 1750. 4] Frank Harrison, journ. ✓, * 6/1 1830; ed. *Daily News* 70–86. 5] Matt. Davenport, ✓ & philanth., * 1792, † 7/6 1872. 6] Sir John, ♃, ☉, & misc. ✓, * 1716, † 75. 7] Rowland, 1st Lord, genl., * 1772; served in Egypt, Penins., peer 1814, at Waterloo, commr.-in-chf. 28, † 42. 8] Rowland, ✝, * 1744, ord. deacon by Dr. Moss, blt. Surrey Chapl. 83, † 1833.

Hillard, G. Stillman, American journ. ✓, * 1808, † 21/1 79.

Hiller, 1] Jos. Ad., ♫, * 25/12 1728, † 16/6 1804 Leipzig; operettas. 2] Ferd., ♫, * 24/10 1811 Frankfort-on-Main; comp., pian., & ✓.

Hillern, Wilhelmine v., *née* Birch, rom. ✓, * 11/3 1836 Munich. "Geierwally."

Himalayas, ⛰ of N. Ind.; 1,500 m. long by *ca.* 150 broad. Highest peaks: Everest (*q.v.*), Kanchinjinga 28,176 ft., Dhawalagiri (*q.v.*), Jehawir 25,749 ft., Jamautry 25,500 ft., Dhaiban 24,740 ft. Sources of Indus, Sutlej, Brahmaputra ⚓s.

Himly, K. G., ♃ & ocul., * 30/4 1772 Brunswick, † 22/3 1837. ✓.

Hind, John Russel, ✎, * 12/6 1823 Nottingham; supt. of *Nautical Almanac* 53, F.R.S. ✓.

Hindu Kush, ⛰ betw. Turkes. & Afghan.

Hindustan, India (*q.v.*).

Hinschius, P., † & ✝, * 15/12 1835 Berlin; prof. there. ✓.

Hiogo, Jap. ⚓ ⊙ in Nipon; 50,000 inh.; opened to trade 1854.

Hip, ✿, fruit of dog-rose, *rosa canina*.

Hippias & **Hipparchus**, sons of Pisistratus of Athens, wh. they suc. 527 B.C.; latter murd. 514 by Harmodius & Aristogeiton, former expelld. 510, retd. 490, but † Lemnos.

Hippocampus, *v.* Sea-horse.

Hippocrates, ♃, * *ca.* 460 B.C. Cos, † *ca.* 357 B.C. Larissa.

Hippocrene, fountain at foot of ▲ Helicon, sacred to the Muses.

Hippolytus, † ✓, 3rd cent.; bp. of Portus.

Hippopotamus, zoology, the river-horse, *H. amphibius* of Afr.

Hirata Donin, Jap. art., disc. translu. enamel, 16th & 17th centa.

Hirsch, Aug., ♃, * 4/10 1817 Dantzic; prof. at Berlin.

Hislop, Jas., Scot. poet. ✓, * 1798, † 1827.

Hispaniola, Hayti (*q.v.*).

Hissar, 1] divsn. of Panjab, Brit. Ind., incldg. distrs. of H., Rohtak, & Sirsa; 8,478 s.m., 1,245,000 inh. 2] Distr. in 1; 3,539 s.m., 490,000 inh.; adm. hd.-qrs., H.

Histology, the science of the structure of tissues & organs.

History: may be divided into *ancient* (to fall of Rom Emp 476), *mediæval* (to Reformation, *ca* 1520), *modern*

Hitchcock, Edw, Amer ⚒, * 24/5 1798 Deerfield, Mass, † 27/2 1864 Amherst, Mass /

Hitopadesa, Sans fables from the Pantschatantra, 2nd cent B C

Hoadley, 1] Benj, ✝, * 14/11 1676 Westerham, bp of Bangor, Hereford, Salisbury, Winchester, † 17/4 1761 Chelsea 2] His son, Benj, ♯ & ☉ /, * 1706, † 57

Hoang-ho, Chin ⚓, flows from Thibet 2 500 m to G of Pe chi li

Hoare, 1] Prince, ☉ & misc /, * 1754, † 1834 2] Sir Rich Colt, typog /, * 1758, † 1838

Hoazin, *v* Hocco

Hobart (Pasha), Hon Aug Chas, ⚓ offr, * 1/4 1822, entd roy navy 36, blockade runner 61–65, in Turk serv 67–86, Brit vice adml 85, † 19/6 86 Milan /

Hobart Town, capital ⊙ Tasmania, on Derwent ⚓, bp, 32,000 inh, fnded 1804

Hobbes, Thos, ⚓ & ✍ /, * 5/4 1588 Malmesbury, tutor to Chas II, † 4/12 1679 Harwick Hall

Hobby, ornith, a sp of falcon, *falco subbuteo*, Britain

Hobhouse, 1] J Cam, *v* Broughton 2] Arth H, 1st Bar, ⚖ & statesm, * 1819, Q C 65, ⚖ memb of Counc of India 72–77, memb of Jud. Comm of Privy Council 81, peer 85

Hobson s Choice, no alternative from a Cambridge stable keeper who would only let out his horses in strict rotation

Hocco, ornith, the hoazin or sasa, *opisthocomus crustatus* S Amer

Hoche, Laz, Fr genl, * 25/6 1768, † 18/9 97 Wetzlar

Hochkirch, village of Sax, ⚔s 14/10 1758, 4/9 1813

Hodge, 1] Arch Alex, Amer ✝ /, * 1823 2] Chas, Amr ✝ /, * 28/12, 1797, † 19/6 1878

Hodges, 1] *Nath*, ♯ /, * 1640, † 84 2] Jas, civ ⚙, * 1816 Queenborough, built Victoria bridge, Montreal, 59–60

Hodgson, 1] Wm Ballantyne, educ & econ /, * 1815, † 28/8 80 2] John Evan, ⚙, * 1/3 1831 Lond; R A 79

Hodur, Scand, god of night

Hoe, Rich M, ⚙, * 12/9 1812 New York, invented Lightning rotary printing press, † 7/6 86 Florence

Hofer, Andreas, Tyrol patr, * 2/10 1767 St Leonhard, headed insurr against Bav & Fr invaders 1809 betryd, exec 20/2 10 Mantua

Hoff, Karl E A v, ⚒, * 1/11 1771, † 24/5 1837 Gotha /

Hoffmann, 1] Charles Fenno, poet & misc /, * 1806 New York 2] Fried, ♯ & electr, * 19/2 1660 Halle † 12/11 1742 3] Ern T A, rom /, * 24/1 1776 Konigsberg, † 24/7 1822 Berlin

Hoffmann v Fallersleben, Aug H, German poet /, * 2/4 1798, † 19/1 1874

Hofland, Barbara, misc /, * 1770, † 1844

Hofmann, 1] Fr, /, * 13/4 1813, ed *Gartenlaube* 2] Aug Wm, ⚗, * 8/4 1818 Giessen 3] H ✍, * 13/1 1842 Berlin

Hofmeister, Wm, ✍, * 18/5 1824 Leipzig, † there 12/1 77 /

Hog, zool, *sus scrofa*, wild in Eur, &c Ground H, *orycteropus capensis* *v* Babiroussa

Hogarth, 1] Wm ⚙, engravr, & caricat * 10/11 1697 London, † 26/10 1764 buried at Chiswick. "Harlot s Progress 34, "Rake s Progress 35, "Mariage a la Mode 45 2] Geo, journ /, * 1777, † 12/2 1870, father in law of Charles Dickens

Hogg, 1] Jas ("Ettrick Shepherd") Scot poet & misc /, * 1770 Selkirkshire, † 21/11 1835 Altrive 2] Robt, ✍, * 1818 Dunse / 3] *v* Magheramorne

Hogshead, a cask of claret, 46 gals, of ale, 54 gals, imperial, 52 gallons 1 quart 1 pint 3 55 gills

Hohenlinden, Bav village, ⚔ 3/12 1800, Fr & Bavs deftd Austrs

Hohenlohe, 1] Adolf. Prin., Pruss. statesm., * 29/1 1797; Prem. 1862, † 24/4 73. 2] H.-Schillingsfürst, Prin. C. C.V., statesm., * 31/3 1819; govr. of Elsass-Lothringen.

Hohenzollern, princely house orig. from Suabia; provid. Electors of Brandenburg 1415, ks. of Pruss. 1700, Emps. of Germ. 1871, k. of Roumania 81.

Holbach, Paul H. v., ✍, * 1723, † 21/1 89 Paris.

Holbein, 1] Hans, ●, * *ca.* 1497 Augsburg; to London 1530, † 43 London. 2] His fath., Hans, ●, * *ca.* 1460, † 1524.

Holberg, L., Dan. ✆ & misc. ✓, * 3/12 1684 Bergen, Norw., † 28/1 1754 Copenhagen.

Holcroft, Thos., ✆ & misc. ✓, * 1745, † 1809. *Road to Ruin.*

Hölderlin, Fried., poet. ✓, * 20/3 1770 Lauffen, † mad 7/6 1843.

Hole, Rd., misc. ✓, * 1750, † 1803.

Holinshead, R., ✍ ✓, † *ca.* 1580.

Holkar, family name of ruling dynasty of Indore.

Holl, 1] F., ●, * 1815, † 14/1 84. 2] His s., Francis, ●, * 4/7 45, R.A. 88, † 31/7 88.

Holland, *v.* Netherlands.

Holland, 1] Hy. Rich. V. Fox, 3rd Bar., polit. & host, * 21/11 1773 Winterslow, † 22/10 1840 Kensington. ✓. 2] Sir Hy. Thurstan, statesm., * 1825; Fin. Sec. of Treas. 85, V.-Presdt. of Comm. of Counc. on Educ. 86, Col. Sec. 87, peer as Bar. Knutsford 88. 3] Hy. Fox, 1st Bar., statesm., * 1705, † 74. 4] Dr. Josiah Gilbert, Amer. ✓, * 24/7 1819, † 12/10 81. 5] Philemon, ansl., * 1554, † 1636. 6] Sir Hy., ✈ & ✓, * 1788, † 27/10 1873.

Holland, New = Australia.

Holland, North, prov. of Holl.; 1,070 s.m., 700,000 inh. Chief ⊙, Amsterdam.

Holland, South, prov. of Holl.; 1,166 s.m., 810,000 inh. Chief ⊙, Rotterdam.

Hollar, Wenceslas, engvr., * 15/7 1607 Prague, † 28/3 77 London.

Holles, Denzil, Lord, polit., * 1597; M.P. 1624, peer 61, ambr. to Paris 63–65, † 17/2 81.

Hollingshead, John, journ., ✆, & miscell. ✓ & theat. manag., * 1827.

Holly, ❦, *ilex aquifolium.* Cape H., *crocoxylon excelsum;* Sea H., *eryngium maritimum.*

Hollyhock, ❦, *althea rosea;* yields blue dye.

Holly Oak, Holy O., Evergreen O., ❦, *quercus ilex.*

Holman, 1] Lieut. Jas., blind travlr. & ✓, * 1787, † 1857. 2] Jos. Geo., ✆ ✓, * 1764, † 1817.

Holothuridæ, zool., the sea-cucumbers.

Holmes, 1] Oliv. Wendell, Amer. poet. & misc. ✓, * 29/8 1809 Cambridge, Mass.; "Autocrat of Breakfast Table" 57. 2] Robt., † & poet. ✓, * 1749, † 1805.

Holstein, anctly. duchy of N. Germ.; *ca.* 4,000 s.m., 600,000 inh.: Danish 1723, Pruss. 1864; *v.* Schleswig-Holstein.

Holtei, Karl v., poet. & ✆ ✓, * 24/1 1798 Breslau, † there 12/2 1880.

Hölty, L. H. C., poet. ✓, * 21/12 1748, † 1/9 76.

Holub, Emil, Afr. travlr., * 7/10 1847 Holitz; to S. Africa 72–80, to Cent. Afr. 83–84, again 85. ✓.

Holy Alliance, 26/10 1815, betw. Russ., Austr., & Pruss., joined by most European powers.

Holy Coat, preservd. in cathed. Treves; said to be the seamless coat of Christ. Imposture denounced 1844 by J. Ronge.

Holy Cross, *v.* Holy Rood.

Holy Grail, *v.* Graal.

Holy Island, or Lindisfarne, off coast of Northumblnd.; monastery fnded. 635; bpric. till 875; 580 inh.

Holy Oak, *v.* Holly Oak.

Holyoake, Geo. Jac., ✍ & misc. ✓, * 1817.

Holy Roman Empire, the Ger. Emp. from 962–11/8 1804.

Holy Rood, Holy Cross, R. C. *fest.* 14/9 *to commem. recov. of pt. of the Cross by Emp. Heraclius 615.*

Holyrood, monast., now palace, Edinburgh, fnded. 1128 by David I.

Holy Thursday, Ascensn. Day; festival 40 days after Easter.

Holy Week, Passion W. (*q.v.*).

Holywell, ⊙ Flintsh.; 11,500 inh.; w. Flint boro's rets. 1 M.P.

Homage, profession of feudal subjection: "I become your man."

Homburg, ⊙ Pruss.; ♨ springs; gaming-tables till 1872; 9,000 inh.

Home, 1] Rev. John, ✆ ✓, * 1722 Leith, † 1808 nr. Edinburgh. *Douglas.* 2] Dan. Dunglass, spiritualt., * 1833 nr. Edinburgh, † 22/6 86. ✓.

Home Rule, movement for restor. of self-govt. in Ireland, started 1870 by Isaac Butt. Party in Parlt.: in 1874, 51 members; in 80, 61; in 85, 85; in 86, 84 Irish & 198 other membs. Led by Shaw 79, Parnell 80, Gladstone & Parnell 86.

Homer, Grk. epic poet of *ca.* 850 B.C., * prob. at Chios or Smyrna. "Iliad," "Odyssey."

Homicide, Eng. ⚖, killing of a human being: justifiable; excusable; or felonious (*v.* Manslaughter, Suicide, Murder).

Homildon Hill, Northumb.; ⚔ 1402, English defeated Scots.

Homilies, sermons issued by Convocation 1547–63. Written by Cranmer, Hooper, Latimer, &c.

Homœopathy, syst. of ✠, established by Hahnemann (*q.v.*); based on *similia similibus curantur* (like cures like), & on use of small doses.

Homoiousion, † controv., similar in substance.

Homoousion, † controv., one & the same in substance.

Honduras, repb. of Cent. Amer., govd. by Presdt. & Assemb. of 32; 42,658 s.m., 835,000 inh. Cap. ⊙, Tegucigalpa. Rev. *ca.* £275,000; expend. *ca.* £270,000; debt *ca.* £6,000,000. Army & militia 3,500. Rys. 70 m.; telegs. 1,350 m.

Honduras, British, *v.* Brit. H.

Hone, Wm., publr., polit. & misc. ✓, * 3/6 1780 Bath; thrice tried & acqtd. for libel 1817, † 8/11 42 Tottenham. "Every-Day Book" 1826, "Table Book" 27–28, "Year Book" 29.

Honesty, ✠, the gen. *lunaria*, esp. *L. biennis.*

Honey, saccharine subst. fnd. at base of corolla of many plants & collected, chemic. changed, & stored by neuter bees. Some, *e.g.*, Euxine H., from *azalea pontica*, is poison.

Honey Dew, viscid subst. exuded by *aphides* on plants, or released by their punctures.

Honeystone, Mellite, ⚒, compd. of aluminium & mellitic acid.

Honeysucker, ornith., the fam. *nectarinidæ* of Austral.

Honeysuckle, ✠, the gen. *lonicera*, esp. *L. periclymenum*, woodbine; *L. caprifolium*, perfoliate H.; *L. xylosteum*, fly H.

Hong, Chin. = a foreign factory in China.

Hong Kong, island at mth. of Canton ⚓, China, ceded to Brit. 1842; w. Kooloon, on mainland, ceded 58; ⚔ & ⚓ station; 32 s.m., 165,000 inh. Cap. ⊙, Victoria.

Honi soit qui mal y pense, Old Fr. = Evil be to him who evil thinks: motto of Ord. of Garter.

Honolulu, *v.* Sandwich Islands.

Honorius, 1] Flavius, Rom. Emp. 395–423. 2] Name of 4 Popes: I. 625–38; II. 1124–30; III. 1216–27; IV. 1285–88.

Hood, 1] Robin, Eng. outlaw, * *ca.* 1160 Lockesley. 2] Thos., poet. & humor. ✓, * 23/5 1799 Lond., † 3/5 1845. 3] His s. Tom, * 19/1 1835; ed. *Fun*, † 20/11 75. 4] Alex. H., 1st Visc. Bridport, ⚓ offr., * 1727; rear-adml. 80, vice-adml. & K.B. 87, adml. 94, second in command in ⚔ 1/6 94, peer, deftd. Fr. off Groix 22/6 95, Vice-Adml. of Eng. 96, visct. 1801, † 14. 5] Sam. H., 1st Visct., ⚓ offr., * 12/10 1724; capt. 56, bart. 78, rear-adml. 80, second in comm. at Rodney's vict. 82, peer, took Toulon & Corsica, adml. 94, visct. 96, † 27/1 1816. 6] Edw. Paxton, Congreg. †, * 1820 Westminster, † 12/6 85. ✓.

Hooghly, *v.* Hugli.

Hook, 1] Theod. Edw., nov. & misc. ✓ & wit, * 22/9 1788 London; Treasurer of Mauritius 1813–18, †

24/8 41 Fulham. "Gilbert Gurney" 85, "Jack Brag" 37. 2] Walt. Farquhar, † & biog /, dean of Chichester, * 1798, † 20/10 1875.

Hooker, 1] Rich, † & /, * *ca* 1554 Heavitree, † 1600 "Ecclesiastical Polity" 2] Sir Wm Jackson, ♪, * 1785 Norwich; kt 1836, Dir of KewGdns 41, † 12/8 65 3] His s. Jos Dalton, ♪ & ♪, * 1817, Dir. of Kew Gdns 65, Presdt of Roy Soc 73 / 4] Jos, Amer genl, * 13/11 1819, † 1/11 79 N. York.

Hoole, John, translatr. & misc /, * 1727, † 1803

Hooper, John, †, * 1495 Somersetshire, bp of Glo ster, of Worcester, brnt at stake 9/2 1555 Glo ster.

Hoopoe, ornith., *upupa epops*, the fam. *upupidæ*

Hoorn, Phil, Count, * 1522; arrested w. Egmont 67, exec 5/6 68 Brussels

Hop, ♪, *humulus lupulus;* narcotic; catkins usd in brewg. intro to Eng. from Flanders 1524. Wild H., *bryonia dioica.* Duty of 3d. per lb. on importd. H.s 1710, of 1d per lb on home H.s 1734, repealed 1862 Area cultivated in Eng *ca.* 70,000 acres.

Hop Fly, entom, *aphis humuli;* prods. blight.

Hope, Thos., nov. & ⚓ /, * 1770, † 1831.

Hope, Beresford-, *v.* Beresford-H

Hopkins, 1] Chas., poet. & ⊕ /, * 1664, † 99. 2] His brothr. John, poet. /, * 1675, † *ca.* 1711. 3] John, * *ca.* 1500; w Thos. Sternhold, trans. some of the Psalms 4] Sam., Amer. , & /, * 1721, † 1803; fnded. sect of Hopkinsians. 5] Edw John, ♪, * 1818; organ of Temple Church 43, compos 6] His cous. John Larkin, ♪ & composer, * 1820.

Hopkinson, Jos., Amer. poet /, * 1770, † 1842. "Hail, Columbia!"

Hopson, Sir Thos., ⚓ offr., * 1678; rear-adml 98, at attack on Vigo 1702, † 17.

Hopton, Sir Ralph, 1st Baron, Roy. genl. in Civ. War, * *ca.* 1600, vict. at ✕ Lansdowne 43, peer, defeated at ✕s Alresford 44, Torrington 46, † 52 Bruges.

Horace (Quintus Horatius Flaccus), Rom. poet. /, * 8/12 65 B.C. Venusia, † 17/11 8 B.C.

Horatius Cocles, Rom hero of 6th cent. B.C., defended Sublician bridge against Lars Porsena.

Horeb, N. end of Sinai ⛰, Arab.

Horehound, ♪, *marrubium vulgare;* used in ♪ as expectorant, &c. Black or stinking H., *ballota nigra;* Wild H., *eupatorium teucrifolium.*

Horizon, ○ (apparent), line along wh. earth appears to meet sky. ✳, (true) line parallel to above, passing through centre of earth.

Hormayr, Jos, Bar, ♛ /, * 20/1 1781 Innsbruck, † 5/11 1848.

Horn, form of epiderm. tissue, chfly consisting of keratin.

Horn, 1] Count, *v* Hoorn. 2] Gust., Swed. genl, * 1592, † 1659.

Horn, Cape, S pnt. of S Amer, on islnd; disc. 1616 by Schouten.

Horn, French H, ♪, wind instr. consistg. of a twisted metal tube w bell mouth, mouthpiece, & pistons.

Hornbeam, or Horse-beech, ♪, *carpinus betulus.*

Hornbill, ornith., the gen *buceros*, esp *B. rhinoceros*, Ind.

Hornblende, ⊕, a comm. min. constg. of silicate of lime, magnesia, iron, alumina, &c., generally green, opaque.

Hornby, 1] Sir Geoff. Thos. Phipps, ⚓ offr., * 1825; capt. 52, rear-adml. 69, v.-adml. 77, adml. 84, of fleet 88. /- 2] Jas. John. schol & †, * 1826 Winwick; hd.-master of Eton 68, Provost 84.

Horne, 1] Geo., †, * 1/11 1730 Otham; bp. of Norwich 90, † 17/1 92 Bath. /. 2] Thos. Hartwell, † /, * 20/10 1780, † 27/1 1862. 3] Rich. Hengist, poet. & misc. /, * 1803, † 13/3 84 Margate. "Orion" 43.

Horner, Fras., polit. & finance /, * 1778, † 1817.

Hornet, entom., *vespa crabro;* nests in trees, &c.

Hornpipe, ♪, 1] pib-corn, anct.

wind instr. with bell mouth. 2] Dance to comm. time by one person.

Hornstone, ⊕, a flinty quartz; chert.

Horology, art of constr. clocks & watches; invtd. 12th cent. Pendulum first usd. as regulator 17th cent. *See* Sir Edm. Beckett's "Rudiment. Treat. on Clocks, Watches, & Bells," & F. J. Britten's "Handbook."

Horoscope, in astrol., the position of the celest. bodies, usually at the time of birth.

Horrox, Jerem., ✕, * ca. 1619, † 41.

Hors de combat, Fr. = out of the fight; incapacitated.

Horse, zool., *equus caballus*, orig. from Cent. Asia.; introd. to S. Amer. 1537.

Horse Chestnut, ✱, the genus *æsculus*, espec. *Æ. hippocastanum*. Buckeye or Amer. H.C., *Æ. ohioticus*.

Horse Fly, entom., *gasterophilus equi*, or the gen. *tabanus*.

Horse Leech, zool., *hæmopis*.

Horse Mackerel, ichth., *caranx macrurus*.

Horse Power, ⊕, power wh. can raise 32,000 lbs. 1 foot per minute.

Horse Radish, ✱, *cochlearia armoracia*.

Horsetail, ✱, the gen. *equisetum*.

Horaford, E. N., Amer. ⚗, * 27/7 1818 nr. New York.

Hortense, *v.* Bonaparte 15.

Horsley, 1] Sam., †, * 1733 London; bp of St. David's, Rochester, St. Asaph; sec. Roy. Soc., † 1806 Brighton. 2] John Calcott, ●, * 29/1 1817 London; R.A. 64.

Hortus Siccus, Lat. = dry garden; collectn. of dried plnts.

Horus, Egypt. myth., sun-god; represented as a sparrow-hawk.

Horvath, Mich., Hung. ♛ /, * 20/10 1809 Czentes; prof. at Vienna 44, bp. of Csanad 48, Presdt. of Aust. Acad., † 19/8 78 Karlsbad.

Hosea, Heb. proph. /, 8 cent. B.C.

Hoshangabad, distr. of Cent. Provs. of Brit. Ind.; 4,876 s.m., 480,000 inh. Adm. hd.-qtrs., H.

Hoskins, Sir Ant. Hiley, ⚓ offr., * 1833; capt. 63, rear-adml. 79, vice-adml. 85, Ld. of Adm. 85.

Host, the bread of the Eucharist; in R. Cath. Ch. unleavened, in Grk. Ch. leavened.

Hostrup, Jens C., Dan. poet. & ✆ /, * 20/5 1818 Copenhagen.

Hotchpot, ⚖, rule whereby child who has recd. gift of lands, &c., from his father shall, if his f. dies intestate, bring such inds. into acct. of his f.'s estate before being allowed to share w. other children.

Hotspur, nickname of Hy. Percy, * 1366, † 1403 at ⚔ Shrewsbury.

Hottentots, aborigs. of S. Afr.

Houbraken, Jac., etcher * 2/12 1698 Dort, † 4/11 1780 Amsterdam.

Houghton, Robert Monckton Milnes, 1st Bar., poet. & misc. / & statesm., * 1806; M.P. 37, peer 63, † 11/8 85.

House of Lords; H. of Commons: *v.* British Parliament.

Household Brigade, in Brit. ⚔, 1st & 2nd Life Guards, Royal Horse Gds., 3 regts. of Foot Gds.: to protect Sovereign & London.

Houseleek, ✱, *sempervivum tectorum*, of ord. of stonecrops.

Houssaye, Arsène, Fr. poet., misc., & crit. /, * 23/3 1815 Bruyères.

Hovas, chf. race in Madagascar.

Hoveden, Roger of, Eng. ♛ /, † ca. 1201.

Howard, 1] John, philanth. & prison reform., * 2/9 1726 Enfield, † 20/1 1790 Kherson. /. 2] Chas., earl of Nottingham, ⚓, * 1536; adml. 71, Ld. Adml. of Eng. 85, deftd. Sp Armada 88, commd. exped. to Cadiz 96, † 1624. 3] His fath., Wm., Ld. H. of Effingham, diplom. & ⚓ offr., † 1573. 4] Geo. Edm., ✆ & polit. /, * 1725, † 86. 5] Hy., earl of Surrey, poet. /, * 1515, † 47. 6] Sir Robt., ♛ & poet. /, * 1626, † 98.

Howe, 1] John, Purit. †, * 17/5 1630 Loughborough, † 2/4 1706. /. 2] Rich., Earl, ⚓ offr., * ca. 1726; capt. 46, suc. as Bar. Clonawly 58, Ld. of Admlty. 63, M.P. 75, visct. 82, adml. 82, relievd. Gibraltar 11/10

82, vict. in ✕ 1/6 94, created earl, ✝ 5/8 99 London. 3] His bro., Sir Wm., ✕ offr.; commdr.-in-chf. in Amer. 1775, vict. at ✕ Bunker's Hill 75, took N. York 76, recalled 78, † 1814. 4] Julia Ward, Amer. poet. & misc. ✓, * 27/5 1819; m. Dr. Howe 43. 5] Elias, Amer. ⚙, * 1819 Spencer † 3/10 67; improved sewing-machine

Howel, Jas., ✓, * 1594, † 1666.

Howells, Wm. Dean, Amer. nov. ✓, * 1/3 1837 Martinsville; U.S. consul Venice 61–64, ed. *Atlantic Monthly* 71–80.

Howitt, 1] Wm., misc. ✓, * 1795 Heanor, † 3/3 1879 Rome. 2] His w., Mary, *née* Botham, * 1800; m. 23, misc. ✓, † 30/1 88 Rome.

Howling Monkey, zool., the gen. *mycetes*, esp. *M. ursinus*, S. Amer.

Howson, John Saul, ✝, * 1816; dean of Chester 67, † 15/12 85.

Hoy, one-mastd. coasting vessel, chfly. for passengers & luggage.

Hoyle, Edm., ✓, esp. on games, * 1672, † 1769.

Hroswitha, ◐ ✓ in Lat., * 920, † 67; a nun.

Huanaca, guanaco (*q.v.*).

Hubbard, John G., 1st Bar. Addington, polit., * 1805; M.P. 59, P.C. 75, peer 87.

Huber, 1] Franç., zool., * 2/7 1750 Geneva; blind, † 22/12 1831. 2] Ferd., ✓, * 1764 Paris, † 24/12 1804 Stuttgart. 3] His w., Therese, rom. ✓, * 7/5 1764 Göttingen, † 15/6 1829. 4] Aimé, ♛ ✓, * 10/3 1800 Stuttgart, † 19/7 69. 5] J., ⚘, * 18/8 1830 Munich, † there 20/3 79. ✓.

Hubert, St., patr. of the chase; bp. of Liége, † 727; fest. 20/3.

Hübner, 1] Jul., ♛ ✓, * 27/1 1806, † 7/11 82. 2] Karl, ⚙, * 17/6 1814 Königsberg, † 5/12 79 Düsseldorf. 3] Otto, statist., * 22/7 1818 Leipzig, † 3/2 77 Berlin. ✓.

Huc, E. R., Rom. Cath. mission. & travlr., * 1/8 1813 Toulouse; to China, &c., † 31/3 60 Paris. ✓.

Huddersfield, ⊙ W. Yorksh.; 98,200 inh.; rets. 1 M.P.

Huddesford, Geo., poet. ✓, * *ca.* 1760, † *ca.* 1806.

Huddleston, J. Walt., ⚖, * 1817 Dublin; M.P. 65, Just. of Comm. Pleas 75, Baron of Exch. 75.

Hudson, 1] Hy., navig., * 1550, † 1610 H.'s Bay. 2] Sir Jas., diplom., * 1810; ass. priv. sec. to Wm. IV., envoy to Braz. 50, Min. to Ital., ✝ 20/9 85. 3] Sir Jeff., dwarf, * 1619, ✝ 82. 4] Thos., poet. ✓, 16th cent.

Hudson, ⚓, New York, U.S.A.; rises nr. Lake Champlain, flows past New York 330 m. to Atlant. O.

Hudson's Bay, N. Canada, discovered 1512 by Cabot; 300,000 s.m.

Hudson's Bay Company, Brit. Co. incorpd. 1670; its territs. transferred to Canada 1869.

Hué, cap. ⊙ Annam; 40,000 inh.

Huelva, Sp. prov., anctly. pt. of Andalusia; 4,122 s.m., 225,000 inh.

Huesca, Span. prov., anctly. pt. of Aragon; 7,580 s.m., 260,000 inh.

Hufeland, Christ. Wm., ⚕, * 12/8 1762, † 25/8 1836 Berlin. ✓.

Huggins, Wm., math. & ✎, * 7/2 1824 Lond.; F.R.S. 65.

Hugh Capet, r. Capet.

Hughes, 1] Dav. Edw., electr., * 1831 London; invtd. microphone, printing telegraph. 2] John, poet. & misc. ✓, * 1677, † 1720. 3] Thos., nov. & misc. ✓, * 20/10 1823 nr. Newbury. "Tom Brown's School Days." 4] Joshua, ✝, * 1807 Newport, Pembrokesh.; bp. of St. Asaph 70.

5] Sir Edw., ⚓ offr., * *ca.* 1720; rear-adml. 78, deftd. Suffrein in E. Ind. 82, 83, adml. 93, ✝ 94.

Hugli, Hoogly, Ind. ⚓, one of mouths of Ganges.

Hugli, Hoogly, distr. of Bengal, Brit. Ind.; 1,467 s.m., 1,500,000 inh.; admin. hd.-qrs., H.

Hugo, Victor Marie, poet., ◐, nov., & polit. ✓, * 26/2 1802 Besançon, † 22/5 85 Paris. "Feuilles d'Automne," "Hernani," "Travailleurs de la Mer," &c. Peer of Fr. 45, fled to Brussels 51, to Channel Isles till 70, senator 76.

Huguenots, anctly. the Protestants of Fr., persecuted, revolted 1561, tolerated by Edict of Nantes (*q.v.*) 13/4 98, but again persecuted 1685; *v.* Bartholomew's Day.

Hull, Kingston-upon-H., ⚓ ⊙, E. Yorksh., on Humber ⚓; 186,000 inh.; rets. 3 M.P.s: C., E., & W.

Hull, Thos., nov. & ✆ /, * 1728, † 1808.

Hullah, John P., 𝄞 & teach. of sing., * 1812 Worcester, † 84. /.

Hülsse, Jul. Amb., ⊕, * 2/5 1812 Leipzig, † 26/7 76 Dresden. /.

Humann, Karl, ⊕, * 4/1 1839 Steele; researches at Pergamus. /.

Humbert (Umberto), k. of Italy, * 14/3 1844; suc. 9/1 78, m. 22/4 68 Margaret of Savoy (* 20/11 51).

Humble Bee, entom., the gen. *bombus*, esp. *B. lapidarius*.

Humble Petition & Advice, assented to 25/5 1657; provd. for govt. on Cromwell's death, for format. of Upp. Ho., for ⚒ revenue, &c.

Humboldt, 1] Fried. Hein. Alex., Bar. v., Pruss. travlr., zool., ☙, & ○, * 14/9 1769 Berlin; to S. Amer., Mex., Cent. Asia, † 6/5 1859 Berlin. /. 2] Karl Wm. v., eld. bro. of 1, polit., philol., & crit. /, * 22/6 1767 Potsdam, † 8/4 1835 Tegel.

Hume, 1] Dav., ⚗ & ♛ /, * 26/4 1711 Edinburgh, † there 25/8 76. 2] Jos., ☙ & polit., * 1777 Montrose; M.P. 1812, † 55. 3] Alex., Scot. poet. /, * 1560, † 1609. 4] Dav., Scot. Ψ /, * *ca.* 1581, † *ca.* 1630. 5] Hamilton, Austral. explor., * 18/7 1797 Paramatta. /.

Hummel, J. N., pian. & 𝄞 comp., * 14/11 1778 Pressburg, * 17/10 1837.

Humming Birds, ornith., the fam. *trochilidæ*, of Amer., chiefly very small & brilliant; 300 specs.

Humphreys, 1] David, Amer. poet. /, * 1753, † 1818. 2] Hy. Noel, illuminatr., entomologist, numism., Ψ, & misc. /, * 1810 Birmingham.

Humphry, Rev. Wm. Gilson, †, * 1815 Sudbury, Suff. /., † 10/1 86.

Hunnis, Wm., † /, † 1568.

Hundred, div. of a county in Eng.

Hundred Days, The, period of return of Nap. I. from Elba to France; 20/3–28/6 1815.

Hundredweight (cwt.), 112 lbs. = $\frac{1}{20}$ ton.

Hungary, kingdom of S.E. Europe, pt. of Austr.-Hung. Emp. (*q.v.*); 125,039 s.m., 15,700,000 inh. Cap. ⊙, Buda-Pesth. ♛: indept. kngdm. till 1526; Emp. Franz Jos., crowned king 67.

Huns, Asiat. race wh. invaded E. Europe 4th cent.; *v.* Attila.

Hunt, 1] Jas. Hy. Leigh, polit., poet., & misc. /, * 19/10 1784 Southgate; ed. *Examiner* & *Indicator*, † 28/8 1859 Putney. 2] Hy. ("Orator"), demag. polit., * 1773 Widdington; imprisd. 1820, M.P. 30, † 35. 3] Pat. Knight, journ. /, * 1814, † 55; ed. *Daily News*. 4] Robt., scient. /, * 6/9 1807, † 17/10 87. 5] Thos. Sterry, Amer. ⚗, * 5/9 1825 Norwich, Conn., /, F.R.S. 59. 6] Wm. Holman, ☙, * 1827 London.

Hünten, E., ⚒ ☙, * 19/1 1827 Paris.

Hunter, 1] John, ☙ & anat., * 14/2 1728 Long Calderwood, † 16/10 93 London; fndr. of H'ian Mus. 2] Wm. A., ☙ & polit., * 1844; prof. of Rom. ☙ at Lond. Univ., M.P. 86. 3] Sir W. Guyer, ☙ & polit., * 1831; in Ind. ☙ serv. 50–75, M.P. 86. 4] Bro. of 1, Wm., ☙, * 23/5 1718 Long Calderwood, † 30/2 33 London. /. 5] Anne, w. of 1, song /, * 1742, † 1821. "My mother bids me bind my hair." 6] John, class. editr., * 1747, † 1837. 7] Jos., Ψ /, * 1783, † 1861.

Hunterian Oration, fnded. 1813, delivd. annually 14/2 at Roy. Coll. of Surgeons, Lond.

Huntingdon, inld. co. of Eng.; 358 s.m., 60,000 inh.; rets. 2 M.P.s: N. (Ramsey), S. (Huntingdon).

Huntingdon, Henry of, ♛ /, * *ca.* 1090, † 1154.

Huntingdon, Selina, Ctess. of, Nonconf. † leadr., * 1707, † 91.

Huntington, Dan., Amer. ●, * 14/10 1816 N. York; Presdt. of Nat. Acad. of Design 62-70.

Hunyadi, Janos C., Hung. patr. & ⚔, nat. s. of Emp. Sigismund, * 1387 Hunyad; Voivode of Transylv. 1442, † 11/8 56 Semlin.

Hurd, Rich., † & misc. /, * 1720; bp. of Lichfield, Coventry Worcester, † 1808.

Hurdis, Jas., poet. & † /, * 1763, † 1801.

Hurdwar, Hardwar (*q.v.*).

Hurdy-Gurdy, 𝄞, instr. played by friction of wheel on 4 strings.

Hurlbert, Wm. Hy., Amer. journ. /, * 28/7 1827 Charleston.

Huron, lake of N. Amer., betw. U.S. & Can.; 29,000 s.m., 3,000 isles.

Hurter, Fried. Eman., ✍ /, * 19/3 1787 Schaffhausen, † 27/8 1865.

Huschke, Phil. Ed., ⚕ /, * 26/6 1801 Munden; prof. at Breslau.

Hushiarpur, distr. of Panjab, Brit. Ind.; 2,086 s.m., 950,000 inh.

Huskisson, Wm., statesm., * 11/3 1770 Birch Moreton; Col. Sec. 1827, killed at openg. of Liverp. & Manch. Ry. 15/9 30.

Huss, John, Bohem. † reform., * 6/7 1369 Hussinecz, burnt 6/7 1415 Constance.

Hussar (Tart. *usuar* = cavalry), mounted trooper w. sabre, carbine, pistols; 13 regts. in Brit. army.

Hussein Avni Pasha, Turk. genl. & statesm., * 1819; Min. of War 69-71, 73-75, Gd. Vizir 74, caused murd. of Abdul Aziz 76, murd. 15/6 76.

Hussites, Bohemian or Moravian Brethren, folls. of J. Huss; rebelled 1419-37.

Hutcheson, Fras., mor. ♗ /, 8/8 1694 N. Ireland, † 1746 Glasgow.

Hutchinson, 1] John, regicide & ⚔ offr., * 1616 Owthorpe; imprisd. 63, † 11/9 64. 2] Lucy, *née* Apsley, memoir /, * 1620; m. 88, to 1, † 59. 3] Thos., * 1711; govr. of Massachusetts 69-74, † 80. 4] John, ♗, * 1674, † 1737. /. 5] Thos. Jos., travlr., * *ca.* 1828; to W. Afr., Rosario, Callao. /.

Hutten, Ulrich v., poet. /, &c., * 22/4 1488, † 29/8 1523 Ufnau.

Hutton, 1] Chas., math., * 1737 Newcastle-on-T., † 1823. /. 2] Jas., ℞, * 1726, † 97. /. 3] Wm., topog. & autobiog. /, * 1722, † 1815.

Huxley, Thos Hy, biol. & physic. ♗, * 4/5 1825 Ealing; F.R.S. 52, Presdt. of Brit. Assoc. 70, Sec. of Roy. Soc. 73, Presdt. of Roy. Soc. 83-85, &c. /.

Huygens, Chr., nat. ♗, math., & ✍, * 14/4 1629 Hague, † there 8/7 95; disco. Saturn's moons, laws of polar. of light by refraction, &c.

Huysum, Jan van, ●, * 15/4 1682 Amsterdam, † there 8/2 1749.

Hwangti, Tsin, Emp. of China, 3rd cent. B.C.; blt. Great Wall.

Hyacinth, ❀, the gen. *hyacinthus*, of ord. *liliaceæ*, esp. *H. orientalis*, cultd. in Holl. since 1500. Wild H., or bluebell, is *scilla nutans*.

Hyacinth, ●, any red or orange var. of zircon or garnet.

Hyacinthe, Père (Chas. Loyson), Fr. † reform. & preacher, * 10/3 1827 Orleans.

Hyades, 1] ✍, clust. of 7 stars in head of Taurus. 2] In Grk. myth., daus. of Atlas & Pleione.

Hyæna, zool., gen. of *carnivora*, incl. spotted H., *H. crocuta*; brown H., *H. brunnea*, Afr.; striped H., *H. striata*, N. Afr. & As.

Hybrid, zool & ❀, cross betw. 2 individs. of distinct specs.; *e.g.*, mule, betw. ass & mare.

Hydaspes, Ind ♗, now Jhelum; ⚔ 327 B.C., Alex. deftd. Porus.

Hydatids, zool., larval forms of tape-worm.

Hyde, 1] *v.* Clarendon 1. 2] His d., Anne, Q of Eng., * 1637; m. 24/11 59 & 3/9 60 to Jas., dk. of York (Jas. II.); moth. of Q.s Mary & Anne, † 31/3 71.

Hyder Ali, *v.* Haider Ali.

Hyderabad, *v.* Haidarabad.

Hydra, 1] Grk. myth., 9-headed monster of Lerna, in Argolis, killed by Hercules. 2] Zool., freshwater polypes. 3] ✍, the Water Snake, constell. of S. hemisph.

Hydrangea, ♃, gen. of saxifrages of As. & S. Amer., cultd. in gards.

Hydrargyrum, mercury.

Hydrates, Hydroxides, ⚗, compounds formed by union of metal. oxides, or of salts, w. water. Potassium Hydrate is caustic potash; calcium hydrate is slaked lime.

Hydraulic Press, Bramah P., instr. to utilise the fact that liquid pressure is transmitted equally in all directns., & that pressure on a surf. is proport. to area of surf.; invt. 1796 by Bramah.

Hydraulic Ram, apparat. for raising water by utilising the veloc. acquired during its own fall.

Hydraulics, science of moving water, or using it as motive power.

Hydrides, ⚗, compds. of hydrogen w. elemts. or organic radicles.

Hydrocarbons, ⚗, compds. of carbon w. hydrogen; *e.g.*, paraffin.

Hydrocephalus, ✚, formation of water in the cavity of the skull.

Hydrochloric Acid, ⚗, muriatic ac., disc. 1772 by Priestley; colourless pung. gas, HCl, obtd. by actn. of sulphuric ac. on metal. chlorides; very soluble in water.

Hydrocyanic Acid, Prussic acid (*q.v.*).

Hydrodynamics, the science of the motion of liquids, their forces & resistances.

Hydrofluoric Acid, ⚗, colourless corros. gas, obtd. by actn. of sulphuric ac. on fluorspar; soluble in water; decomps. silicates & glass.

Hydrogen, ⚗, monatom. metal element; exists as gas. Symb. H, atom. wght. 1, 14·44 times lighter than air; obtd. by electrolysis of water, &c.; has been condensed by Pictet at press. of 650 atmospheres & temperat. −140° to a steel-blue liq.

Hydrography, descript. of the distribut. of water, its currents, &c.

Hydrometer, instr. for meas. sp. grav. of liquids; genlly. a weighted float, wh. sinks to known depth in water & to other depths in other liqs. Chf. forms, Sykes's, Twaddell's, Baume's, Nicholson's.

Hydropathy, ✚, treatment of disease by extern. applic. of water.

Hydrophobia, ✚, disease causd. by inoculat. w. poison from saliva of rabid dog, wolf, &c.; due, accord. to Pasteur, to a specific *bacillus*.

Hydrostatic Press, Hydraulic Press (*q.v.*).

Hydrostatics, science of the pressure & equilibrium of non-elast. fluids, & of equilib. of bodies immersed in them.

Hydrozoa, zool., water polypes, incldg. jelly-fish, &c.

Hygeia, 1] class. myth., goddess of health, dau. of Æsculapius. 2] ⚹, an asteroid discd. 1849.

Hyginus, St., Pope 139–42; 10/1.

Hygrometer, instr. for meas. amt. of moisture in the air. Chf. vars., Mason's, the chemical H., the dew-point H.

Hyksos, shepherd kings of Egypt (17th dyn.); prob. Arabs wh. held Egypt *ca.* 1759–1500 B.C.

Hymans, Louis, Belg. journ. & ✍, • 1829 Rotterdam.

Hymen, class. myth., god of marriage, s. of Apollo & a muse.

Hymenoptera, entom., ord. incldg. bees, wasps, ants, &c., w. 2 pairs of wings hooked together.

Hymettus, ▲ Attica, now Trelo Vuno.

Hypatia, Alexandrian ♀, dau. of Theon; killed by Christ. mob 415.

Hyperbola, math., curve formed by the cutting of a cone by a plane. (*v. plate,* GEOMETRY.)

Hyperbole, rhetor., a figure of speech, an exaggerated statement.

Hypericum, *v.* St. John's Wort.

Hyperion, class. myth., 1] a. of Heaven & Earth. 2] The sun.

Hypertrophy, ✚, unnat. development or excessive growth of any pt. of the body.

Hypnotism, Braidism, sleep of portion of the brain; prod. natlly. or artifly.: senses retain partial activity.

Hypothec, Scot. ⚖, lien over land, produce, & cattle; held by landlord as security for rent.

Hypothenuse, geom., longest side of a right-angled triangle.

Hypothesis, supposition of something not proved: a proposition the truth of wh. is affirmed.

Hyrax, zool., a gen. of Afr. & Arab. anims., incldg. Conv (*q.v.*).

Hyrtl, Jos., anat., * 7/12 1811 Eisenstadt. ✓.

Hyssop, ✱, *hyssopus,* a culinary pot-herb.

Hysteria, Hysterics, ✱, nervous malady akin to epilepsy, comm. in young women.

Hythe, ⊙ & Parlt. bor. of E. Kent; 28,500 inh.; rets. 1 M.P.

I.

I, 9th letter of alphab. In Rom. numerals = 1.

Iambic, in verse, consisting of short & long syllabs. alternately.

Iamblichus, new Platon. ✱ of Chalcis, † 330.

Iambus, in verse, a foot ∪ –.

Ianthe, pseud. of E.C. Embury.

Iberia, anct. ⊙, Spain: distr. of Caucasus.

Ibex, zool., gen. of wild goats, esp. *capra ibex,* steinbok.

Ibidem, Lat. = in the same place. (Contracted to *ibid.*)

Ibis, ornith., gen. of *tantalinæ,* esp. sacred I., *I. religiosa,* Afr.; scarlet I., *I. rubra,* S. Amer.

Ibn Batuta, *v.* Batuta.

Ibrahim Pasha, Viceroy of Egypt, * 1789 Roumelia, s. of Mehemet Ali; conqd. Syria 1831–33, suc. June 48, † 10/11 48 Cairo.

Ibsen, Henrik, Norweg. ✪ & poet. ✓, * 20/3 1828 Skien.

Ibycus, Grk. lyr. ✓, *ca.* 530 B.C.

Ice, frozen water; hexag. crystal. structure; sp. gr. ·917, melts at 32° at ord. pressure. *v.* Freezing Mixtures, Glaciers, &c.

Icebergs, floating masses of ice broken from glaciers or floes; often lofty; for every cub. ft. above water there are 8 cub. ft. below; seld. seen betw. 40° N. & 39° S.

Iceland, island of N. Atlant. O.; 39,760 s.m., 73,000 inh.; disc'd. 8th cent. & colond. by Norw.: Dan. since 1381. ▲s (29 volcs.), Hecla, Klofa; geysers. Cap. ⊙, Reykjavik.

Iceland-moss, ✱, *cetraria islandica,* a lichen; nutrient.

Iceland-spar, ◆, ryacolite, pure calc-spar., usd. fr. polarg. light.

Iceni, anct. Brit. inhs. of Norfolk, &c. *v.* Boadicea.

Ice-plant, ✱, *mesembryanthemum crystallinum,* or *M. glaciale.*

Ich dien, Germ. = I serve: motto of heirs to Eng. crown; adopted 26/8 1346.

Ichneumon, zool., *herpestes ichneumon,* Pharaoh's rat; Egypt.

Ichneumon Fly, entom., the fam. *ichneumonidæ,* cuckoo-flies; depos. eggs in bodies or eggs of other insects.

Ichthyology, that pt. of zool. wh. treats of fishes.

Ichthyosaurus, palæont., gen. vast extinct mar. reptils. resembg. lizards, chiefly in lias; mesozoic age.

Icknield, *v.* Iknield.

Icon, Grk. = picture, image.

Iconium, anct. ⊙, now Koniyah, ⊙ As. Min.; 40,000 inh.; ✕, Egypt. defd. Turk., 21/12 1832.

Ida, 1], now Psiloriti, ▲ Crete. 2] Now Kara Dagh, ▲ As. Min.

Idaho, territ. of U.S.A., organd. 1863; 84,000 s.m., 100,000 inh. Cap. ⊙, Boisé City.

Iddesleigh, Stafford H. Northcote, 1st earl of, * 1818; priv. sec. to W. E. Gladstone 43, M.P. 55, suc. as bart. 51, Fin. Sec. of Treas. 59, Presdt. of B. of Trade 66, Sec. for Ind. 67–8, Chanc. of Exchequ. 74–80, 1st Ld. of Treas. 85 (& peer), For. Sec. 86, † 12/1 87 London. ✓.

Ideler, C. L., ✱, * 21/9 1766, † 10/8 1842 Berlin.

Idem, Lat. = the same. (Contracted to *id.*)

Ides, *v.* Calendar, Roman.

Id est, Lat. = that is. (Contracted to *i.e.*)

Idstedt, villg. Schlesw.-Holst.: ✕ 25/7 1850.

Iffland, Aug. Wm., ✆ & ✆ /, * 19/4 1759 Hanover, † 22/9 1814 Berlin. *Die Jäger.*

Ignatieff, Nic., Count, Russ. genl. & diplom., * 29/1 1832 Petersburg; to China 58, to Turk., excited war of 77, Minist. of Inter. 81–82.

Ignatius, St.; bp. of Antioch 68, martd. 107 Rome. /.

Ignatius, Father (Rev. J. L. Lyne), * 1837; Anglican monk of Llanthony 70.

Igneous Rocks, ⚒, rocks prod. by volc. actn. on or beneath the earth's surf.

Ignis Fatuus, *v.* Will-o'-the-Wisp.

Ignorantines, Breth. of the Christ. Schools; Rom. Cath. relig. ord. fnded. 1679 France by J. B. de la Salle to educ. poor children.

Iguana, zool., fam. of short-tongued lizards, Amer., Fiji, esp. green I., *I. tuberculata.*

Iguanodon, palæont., gigant. herbiv. reptile, esp. in Wealden.

I H S, from IHΣ, the first 3 letters of Greek = Jesus.

Ikneild Way, anct. Rom. road from Yarmouth to Land's End.

Ile-de-France, anct. prov. of Fr., now depts. of Seine, Seine-et-Oise, Seine-et-Marne, Oise, Aisne. *v.* also Mauritius.

Ilex, *v.* Holly.

Ilium, Troy (*q.v.*).

Ille-et-Vilaine, marit. dept. of Fr., pt. of old prov. Brittany; 2,597 s.m., 610,000 inh. Chf. ⊙, Rennes.

Illimani, ▲ Bolivia, 24,850 ft.

Illinois, one of U.S. Amer., admitted 1818; 56,650 s.m., 3,600,000 inh. Cap. ⊙, Springfield.

Illuminati, Lat. = enlightened. 1] In Christ. Ch., those who have been baptd. 2] Certain heretics. 3] A club at Ingolstadt, Bav., 1776–84.

Illyria, Illyricum, anct. ⊕, Dalmatia, Croatia, & Bosnia.

Imaum, 1] a Mahom. priest. 2] Title of the ruler of Muscat.

Imbriani, V., lyr. & nov. /, * 24/10 1840 Naples.

Imbro, Turk. isle in Ægean Sea; 110 s.m., 10,000 inh.

Immaculate Conception, Rom. Cath. dogma wh. declares the Virgin Mary to have been conceived & to have lived without sin; promulgd. 8/12 1854 (fest. 8/12), but acceptd. since 12th cent., & recognd. by Counc. of Trent 7/6 1546.

Immanuel, *v.* Emanuel.

Immermann, Karl L., poet., ✆, & rom. /, * 24/4 1796 Magdeburg, † 25/8 1840.

Immortelles, everlasting flowers, esp. of *helichrysum orientale.*

Impact, ⊕, coming togeth. of 2 bods., one or both in motion. Laws of the motion resultant from I. are *kinetics.*

Impeachment, ⚖, in Eng., crim. procedure in wh. Ho. of Lords is judge & Ho. of Comms. prosecutor. Warren Hastings impd. 1788–95, Ld. Melville 1805.

Impennes, ornith., ord. of very small-wngd. birds, incldg. penguins.

Imperial, 1] size of paper, *ca.* 22 × 32 in. 2] Russ. gold coin = *ca.* 37s.; I. ducat, Russ. gold coin = 10s.

Imperium in Imperio, Lat. = government within government. *I. et Libertas,* empire & liberty.

Impluvium, *v.* Atrium.

Impost, ⚠, uppr. pt. of pier whence an arch springs.

Imprimatur, Lat. = let it be printed.

Imprimis, Lat. = in the first place.

Impropriation, ⚖, putting an eccles. benefice into hands of a layman.

In articulo mortis, Lat. = in the article of death; dying.

Inagua, Grt. & Little, two of the Bahamas.

Inama-Sternegg, Karl T., econ. /, * 20/1 1843 Augsburg.

Inca, title of nat. princes of Peru; the last, Atalhualpa, murd. 1533 by Pizarro.

Incense, *olibanum,* fragrant gum resin, esp. from spec. of *amyridaceæ.*

Inchbald, Elizabeth, *née* Simpson, nov. & ⚲ ✓, * 15/10 1753 Standingfield, † 1/8 1821.

Inch Cape, *v.* Bell Rock.

Incognito, Ital. = unknown; under assumed name, title, or disguise; unrecognised.

Income Tax, in Eng. first imposed 9/1 1799–1816, re-impd. 22/1 1842; rose to 1s. 4d. in the £ 55, sank to 2d. 74. 1d. in the £ prods. *ca.* £2,000,000 per ann.

Incroyable, a dandy of the Fr. Revolution.

Indelta, Swed. troops retained by pay & grant of land.

Independents, Congregationalists (*q.v.*).

Index Expurgatorius, or The Index, Rom. Cath. list of passages to be expunged from books. *I. Prohibitorius,* yearly list of books forbidden by R. Cath. Ch. to be read; first pubd. 1543.

India, Hindustan, penins. of S. Asia, betw. Himalaya ⛰ & Ind. O.; 1,580,044 s.m., 260,000,000 inh.: incl. Brit. Ind., 1,060,314 s.m., 208,000,000 inh.; native States und. Brit. suzerainty; indept. States; French possns., 178 s.m.; Port. possessns., 1,086 s.m. *Brit. Ind.* inclds. 8 provs.: Madras, Bombay, Bengal, N.W. Provs., Panjab, Assam, Burmah, Cent. Provs., ea. und. govr., lieut.-govr., or chf. commissioner; with Ajmir & Mhairwara, Berar, Coorg, & the Andaman Isles, und. the Govr.-Genl. Ea. of them is divd. into divisions, & ea. div. into districts. There are *ca.* 800 *native States.* Nepal & Bhutan are *indept. France* has Chandernagar, Janaon, Pondicherry, Carical, & Mahe. *Portugal* has Goa, Daman, & Diu. *Brit. Ind.* is govd. by Govr.-Genl. (Viceroy) & Council, & by Sec. for Ind. in London. Cap. ⊙, Calcutta. Army 190,000, rys. 14,250 m., telegs. 27,000 m., rev. *ca.* £75,000,000, expend. the same. Chf. nat. States, in ord. of size: Haidarabad, Cashmir, Jodhpur, Gwalior, Mysore, Jaipur, Oudipur, Baroda, Indore, Bhopal, Travancore, Patiala. ♛ of I.: invad. by Aryans *ca.* 2,000 B.C.; laws of Manu compd. 5th cent. B.C.; Buddha † 543 B.C.; invas. of Alex. 327 B.C.; k. Asoka 260–220 B.C.; foundat. of Moham. emp. at Ghazni 999 A.D., wh. conqd. Gujerat, Lahore, Mooltan, Delhi 1206, & invad. Deccan 1294; Delhi captd. by Tamerlane 1398; Mogul emp. fnded. 1526, overthr. by Mahrattas, &c.; 1st Port. viceroy 1505; Dutch E. Ind. Co. fnded. 1602, Eng. E. Ind. Co. 1600; Eng. treaty with Emp. Jehanghir 15; Madras fnded. 39; Bombay ced. by Port. to Eng. 62; Calcutta fnded. 96; re-org. of E. Ind. Co.; Clive in Ind. till 1767; Warr. Hastings 1st Govr.-Genl. 74, Cornwallis 86–93, Wellesley 98–1805, Minto 1807–13, Marq. of Hastings 14–23, Amherst 23–28, Ld. W. Bentinck 28–35, Auckland 39–42, Ellenborough 42–44, Hardinge 44–48, Dalhousie 48–56, Canning 57–68; mutiny of nat. troops 10/5 57; Queen assumed govt. 1/11 58; Elgin 62–63, Lawrence 64–69, Mayo 69–72, Northbrook 72–76 (visit of P. of Wales), Lord Lytton 76–80 (Q. procld. Emp. of Ind. 77), Ripon 80–84, Dufferin 84.

India, Further, the penins. including Burmah, Siam, Anam, &c.

India-rubber, caoutchouc, *q.v.*

Indian Archipelago, Malay A., grp. of islands S.E. of Asia, betw. As. & Austral. *v.* Borneo, &c.

Indian Corn, maize (*q.v.*).

Indian Cress, ✿, the gen. *tropæolum,* includg. *nasturtiums.*

Indian Ink, Chinese black solid pigment of lamp-black & anim. glue.

Indian Languages. Oldest is Sanscrit, wh. is source of Pâli, Prâkrit, &c. Less pure are Hindi, Marathi, Bengali.

Indian Ocean, S. of As., betw. Afr. & Austral.; *ca.* 20,000,000 s.m.

Indian Territory, territ. of U.S. Amer. set apart for native races; organised 1834; 64,690 s.m., 80,000 inh. Cap. ⊙, Tahlequah.

Indiana, one of U.S. Amer.; admitd. 1816; 36,350 s.m., 2,200,000 inh Cap. ⊙, Indianapolis, 90,000 inh.

Indigestion, ✱, failure of the stomach to assimilate food that has been eaten.

Indigo, blue colourg matter from sev. specs of *indigofera* & from woad, *isatis tinctoria*, by ⚗ treatment. The colorg. princip. is indigotin, $C_{16}H_{10}N_2O_2$, wh. may also be prepd. artific. from coal-tar

Indium, ♦, silver-white min. in cert. zinc ores; dised. 1863; melts at 176°, atom. wt. 113·4, spec. grav. 7·421.

Indo-European, *v.* Aryan.

Indore, nat. State of Cent. Ind., und. Maharaja Holkar; protectd. since 1818; 8,075 s.m., 640,000 inh

Indra, Hindoo sun-god.

Indre, dept. of Cent Fr., pt. of old prov. Berry; 2,624 s.m., 283,000 inh. Chf. ⊙, Châteauroux.

Indre-et-Loire, dept of Cent. Fr., pt. of old provs. Touraine, Orleanais, Anjou, Marche; 2,360 s.m., 330,000 inh Chf. ⊙, Tours.

Induction, 1] log., argumt. wh. infers of a whole class what is established of an individ. of that class. 2] Magnet. & electr, effect prod. by an electrifd. body on a non-electrifd. body near it, or by a magnet on soft iron near it, or by a current in a wire near it. All dynamo-electric machines depend upon induced currents.

Indulgence, R. Cath. †, act of the Pope remittg. penalties of cert. sins.

Indus, 1] ⛵ N.W. Ind.; rises in Thibet, flows 1,800 m. to Arab. Sea. 2] ♈, The Indian: constell. of S. hemisph.

Industrial Schools, Eng.; legislation resp. them was consold. by I. S. Act, 1866.

Inertia, property by wh. matter at rest continues at rest, & matter in motion conts. in motion in straight line, unless acted upon by oth. force.

In esse, in existence; *in posse*, in possibility of existence.

In extenso, Lat. = at length.

Infallibility, in Rom. Cath. †, attribute claimed by Pope when speaking, *ex cathedrâ*, as Pope; asserted 18/7 1870.

Infant, ⚖, one under full age; in Eng. 21 years As a rule contracts by them are not binding, but infancy does not bar criminal proceedings

Infante (fem. *infanta*), in Sp. & Port, any child or grd.-child of a king except the heir-apparent He is, in Sp., P. of Asturias; in Port, dk of Braganza.

Infinitesimal Calculus, the differential C

Influenza, ✱, epidemic catarrh w. debility & fever

In formâ pauperis, Lat. = in the character of a pauper. In ⚖, method of procedure, with remitted costs, open in Eng. to one who cannot pay them.

Infra dignitatem (*infra dig.*), Lat. = below (one's) dignity.

Infusoria, *v.* Protozoa.

Ingelow, Jean, poet. & rom. ✓, * *ca.* 1830 Boston.

Ingleby, Clement M., crit. ✓, * 29/10 1823, † 1886

Inglis, 1] Hy. Dav., Scot. ✓, * 1795, † 1835. 2] John, Scot. † & ✓, * 1763, † 1834. 3] Sir John, ⚔ offr., * 1814; defnd. Lucknow 57, K.C.B. 58, † 62.

Ingres, J. Aug. Dom, Fr. 🎨 ◉, * 15/9 1781 Montauban, † 13/1 1867 Paris.

Ingulphus, * *ca.* 1030, † 1109; abbot of Croyland.

Ink, for writing: black, mnfd. w. solut. of copperas, infus. of nutgalls, or shumac, & gum; or w. infus. of logwood & chromate of potash. Copying I. conts sugar or glycerine. Printer's I. is lampblack, or min. colourg. matter, w. oil or varnish Marking I. is a solut. of nitrate of silver, w. gum, carb. of soda, & ammonia.

Inkerman, villg. of Crimea, Russ.; ⚔ 5/11 1854.

In limine, Lat. = on the threshold.

In loco, Lat. = in place. *I. l. parentis,* in place of a parent.

In medias res, Lat. = into the midst of affairs.

In memoriam, Lat. = in memory.

Innis, Thos., Ψ, * 1662, † 1744 ♂.

Innocent, name of 13 Popes: I., St., 402–17; II. 1130–43; III. 1198–1216; IV. 1243–54; V. 1276; VI. 1352–62; VII. 1404–6; VIII. 1484–92; IX. 1591–92; X. 1644–55; XI. 1676–89; XII. 1691–1700; XIII. 1721–24.

Innocents' Day, feast in commemoration of massacre of children by Herod (28/12).

Innsbruck, cap. ⊙ Tyrol, Aust.; 20,000 inh.

Inns of Court, in London, legal socs. having the right of "calling" to the Bar: Inner Temple, Midd. Temple, Lincoln's, Gray's; in Dublin, King's.

Inoculation, ♯, prod. of variolar disease by introd. of infect. pus by puncture in the skin; introd. 1717 from Turk. by Lady M. W. Montague, prohibtd. 23/7 1840; supersed., as prophylactic against small-pox, by vaccination.

In partibus infidelium, Lat. = in the regions of unbelievers; from wh. are taken titles of cert. R. Cath. bps. without real sees.

In perpetuum, Lat. = in perpetuity.

In posse, *v.* In esse.

In propria persona, Lat. = in one's own person.

In prospectu, Lat. = in prospect, in future.

In re, Lat. = in the matter (of).

In situ, Lat. = in (its proper) place.

In statu quo, Lat. = in the position in which (it was).

In terrorem, Lat. = for a terror.

In toto, Lat. = in the whole; altogether.

In transitu, Lat. = in passing; on the way.

In vacuo, Lat. = in emptiness; in space deprived of air.

N

Inquisition, Holy Office, R. Cath. eccles. commission instd. 1233 to deal w. heretics; revived 1478; not suprsd. in Spain till 1820.

Insectivora, zool., ord. of mammals, incldg. shrews, hedgehogs, moles, wh. feed on insects.

Insectivorous Plants, ♯, plnts. of var. ords. wh. by mechan. means capt. insects & extract nourishmt. from them; *e.g.,* sundew, butterwort, Venus's fly-trap, bladderworts.

Insects, zool., *insecta,* class of inverteb. anims. with bodies divd. into segments and breathing by spiracles & tracheæ. *v.* Entomology.

Insessores, ornith., anct. ord. of birds, incl mod. ords. *passeres* & *picariæ;* perching & climbing.

Insolvency, Bankruptcy (*q.v.*).

Institut de France, consists of 5 academies: (1) *Académie Franç.,* ♂, fnded. 10/7 1637; (2) *A. des inscriptions & belles lettres,* Ψ & philol., fnded. 16/7 1701; (3) *A. des sciences,* geom., ⊕, ♆, ♃, ♂, ♯, zool., anat., &c., fnded. 1666; (4) *A. des beaux-arts,* △, ♘, ⊕, ♥, &c., fnded. 1648; (5) *A. des sciences morales & politiques,* ♗, &c., fnded. 1832.

Insulation, prevention of an electrifd. body or wire from communicating electr. to surroundg. bodies; *e.g.,* by gutta-percha covering, or any non-conductor.

Intaglio, mode of engravg. by hollowing out figures in stone or metal, opposite to relief or cameo.

Integral Calculus, math., the inverse of the Differential C.

Inter alia, Lat. = among other things.

Interdict, Papal prohibition of serv. of Ch. to partic. places or people. Scot. interdicted 1181; Eng. 1209.

Interest, money paid for use or loan of other money. It is genlly. stated as so much per cent. (per 100 pounds, francs, &c.); thus, 5 p.c. on £100 for a year = £5. To find sum of interest for one year,

multip. principal (orig. sum lent) by rate p. c., and div. by 100; *e.g.*,

$$£525 \text{ at } 12 \text{ p. c.} = \frac{£525 \times 12}{100} = £63.$$

Mem.: £100 at 5 p. c gives in a year 100s., in a month 100d. Compound I. is interest on principal sum, *plus* interest on interest already due.

Internationale, L', Internat Working Men's Society, fnded. 28/9 1864 London; cong. at Geneva 3/9 66, split up 72; ceased 74; advocated socialism, suggested by Karl Marx.

Interpleader, ⚖, form of action to decide to whom rents or debts shall be paid, or property handed over, when sev. claimants appear

Intrados, △, inner or lower curve of arch

Interval, 𝄽, distance betw 2 sounds or notes

Intestacy, ⚖, state of having died leaving no will property goes to heir or heirs if it be *real*, but if *personal* is distrib. by administrator under Stat. of Distributions.

Inulin, ♃, $C_6H_{10}O_5$, subst. betw gum & starch.

Invention of the Cross, R. Cath. fest. (3/5) to celeb disc. of the cross 316 by Empress Helena.

Inverary, chf ⊙ Argyllsh, Scot.; 1,000 inh.; w. Ayr burghs rets 1 M.P.

Inverness-sh., marit. co. of Scot., incldg Skye & pt of Hebrides; 4,256 s.m., 91,000 inh.; rets. 1 M.P. Chf ⊙, I.; 18,000 inh.; w. other burghs rets 1 M.P.

Inverness Burghs, Parliamt. constit. incldg I., Nairn, Fortrose, Forres; 26,500 inh, rets. 1 M P.

Invertebrates, *v* Zoology.

Involution, math., contin. multiplication of a quantity by itself, the prod. being its *power*; *e.g.*, the 3rd power of $2 = 2 \times 2 \times 2 = 8$, or 2^3.

Io, class. myth, dau. of Inachus, transformed to heifer by Zeus

Iodine, ♃, non-metal. element; forms grey-black crysts.; melts at 215°, boils at 347°; solub. in alcohol, &c.; obtd. from ash of seaweed; atom. wt. 127; symb I; sp. grav. 4·95. Used in ℞ to cause absorption; in phthisis, &c.

Iona, Icolmkill, island of Inner Hebrides; ruins of monast. fnded. 563; bpric. till 1561; 250 inh.

Ionia, anct. ○, distr. of W. coast of As. Minor

Ionian Islands, grp. of *ca.* 40 on W. coast of Greece, incl. Cephalonia, Zante, Cerigo; Venetian in 15th cent.; French 1797; repub. 21/3 1800; French 1807–15; und. Brit. prot. 15/11 15–63; now Grk.; *ca.* 1,160 s.m, 250,000 inh

Ionic, name of 2 feet in verse. *I major* – – ⏑ ⏑; *I. minor* ⏑ ⏑ – –.

Ionic Order, *v.* Architecture.

Iowa, one of U S. Amer; admitted 1846; 56,025 s.m., 1,800,000 inh Cap. ⊙, Des Moines.

Ipecacuanha, ℞, the plnt. *cephaelis I.* of Braz.; extract from root is emetic & expectorant.

Iphigenia, class. myth, dau. of Agamemnon, who would have sacrifd. her to Artemis, to whom she became priestess in Tauris.

Ipsambul, Abusambol (*q v*).

Ipse dixit, Lat. = he said it; mere assertion.

Ipsissima verba, Lat. = the very words.

Ipso facto, Lat. = by the very fact.

Ipso jure, Lat. = by that very law.

Ipswich, chf. ⊙ Suffolk, on Orwell ⚓; 54,000 inh; rets. 2 M.P.s.

Iquique, ⚓ ⊙ Peru; 12,000 inh.; earthquakes; taken by Chili 1879.

Irade, an order of the Sultan

Irawadi, ⚓ Burmah; rises in Patkoi ⛰, flows 1,200 m. to B. of Bengal.

Ireland, island kingdom, formg. pt. of United Kingdom, 60 m W. of Eng; 31,759 s m., 4,850,000 inh.; divid into 4 provs.: Leinster (12 cos.), Munster (6 cos.), Ulster (9 cos.), Connaught (5 cos.). Cap ⊙, Dublin Govd. by Ld.-Lieut. (Viceroy) & Chf Sec. Reven. *ca.*

£4,850,000. ♛: annexed to Eng. 1170, but had separ. Parlt. till 1801.

Ireland, New, *v.* New Ireland.

Ireland, 1] Sam. Wm. Hy., literary forger, * 1777 London; wrote the ☉ *Vortigern*, & prod. it as Shakespeare's 95, † 1835. 2] His fath., Sam., misc. ✓, * 1750, † 1800. 3] John, †, * 1761; Dean of Westminster, † 1842. ✓.

Irenæus, St., † & ✓, bp. of Lyons, 2nd cent.

Irene, 1] goddess of peace. 2] St., Empress of Byzant; m. 769 Leo IV., poisd. him 80, † 803.

Ireton, Hy., Parlt. genl., * 1610 Nottinghamsh.; m. dau. of Cromwell; Ld. Depty. of Ireland, † 51.

Iridium, ⊕, metal; symb. Ir; atom. wt. 198; discd. 1803 by Descotils; white, brittle, hard; found w. platinum.

Iris, 1] class. myth., dau. of Thaumas & Electra; personif. of the rainbow. 2] ★, an asteroid discd. 1847. 3] Anat., colourd. pt. of eye round black cent. pupil. 4] ✿, gen. incl. yellow flag, *I. pseudacorus*; orris, *I. florentina*, &c.

Irish Church, a Prot. Ch. in Ireland estabd. by Hy. VIII.; disestabd. 1868.

Irish Elk, *v.* Elk.

Irish Moss, *v.* Caragheen M.

Irish Sea, betw. Eng. & Ir., *ca.* 120 × 120 m.

Irish Society, committee formed in London 1613 to cultiv. & colon. pt. of Ulster.

Irkutsk, govt. of E. Siberia. Cap. ⊙, I.; 36,000 inh.

Iron, ⊕ & ⚒, metal obtd. from hæmatite, &c.; symb. Fe; atom. wt. 56, sp. grav. 7·8; used in anct. Egypt & Rome; export. from Brit. prohib. 1354; import. of mnfd. I. prohib. 1483.

Ironwood, ✿, *metrosideras vera*, or cert. specs. of *sideroxylon & argania*; wood very hard.

Irrawaddy, *v.* Irawadi.

Irredenta, Ital. = unredeemed. Name of Ital. polit. party 1878 wh. desired union of all It. races.

Irvine, ⚓ ⊙ Ayrsh., Scot.; 8,600 inh.; w. Ayr burghs rets. 1 M.P.

Irving, 1] Edw., sect. †, * 4/8 1792 Annan; fnded. Cath. Apostolic Church (*q.v.*), † 3/12 1834 Glasgow. ✓. 2] Washington, Amer. rom. & misc. ✓, * 3/4 1783 New York; "Sketch Book" 1820, "Bracebridge Hall" 22, "Life of Columbus" 28, &c.; sec. to Emb. in Lond. 29–32, Min. to Madrid 42–46, † 28/11 59 Sunnyside. 3] Hy. (John Hy. Broderibb), ☉, * 6/2 1838 Keinton; joined stage 56, appd. in Lond. 59, 67; success began in *Two Roses* 70; at Lyceum Theatre since 71, with occ. visits to U.S.A. ✓.

4] Theod., Amer. misc. ✓, * 1809.

Isabella, 1] I., q. of Castile, * 22/4 1451; m. 69 Ferdinand, k. of Aragon, conqd. Granada 92, aided Columbus, introd. Inquisition, † 26/11 1504 Medina. 2] II., q. of Spain, * 10/10 1830, dau. of Ferd. VII.; succ. 33, m. 46 her cous. Francis, expelled 68, & abdictd. 70.

3] of Angoulême, 2nd w. of k. John of Eng., m. 1200, † 46. 4] of France, w. of Edw. II. of Eng., * 1295; m. 1308, † 58. 5] of France, 2nd w. of Rich. II., * 1388; m. 1396, † 1409.

Isæus, Athen. orat., * 420 B.C., † 348 B.C.

Isaiah, Hebr. proph. ✓, * *ca.* 785 B.C. Book is prob. by 2 writers.

Isandula, Zululand; ⚔, Brit. deftd. by Cetewayo 22/1 1879.

Ischia, volc. isle nr. Naples; 26 s.m., 25,000 inh.; earthqks. 1881, 28/7 83.

Isère, dept. of S.E. Fr., pt. of old prov. Dauphiné; 3,201 s.m., 590,000 inh. Chf. ⊙, Grenoble.

Isinglass, var. of gelatine from air-bags of cert. fish.

Isis, 1] Egypt. myth., w. of Osiris, m. of Horus; cow sacred to her. 2] Name of upper part of Thames ⚓.

Islam, the Mahometan religion.

Islay, isle on W. coast of Scot.; 220 s.m., 7,600 inh.

Isle of France, *v.* Mauritius & Ile de France.

Isle of Wight, *v.* Wight, I. of.

Islington, name of 4 Parlt. bors. of London: N., 68,000 inh.; S., 67,000 inh.; E., 79,000 inh.; W., 70,500 inh. Each rets. 1 M.P.

Islip, Simon, †, archbp. of Canterbury 1349–66.

Ismail Pasha, Viceroy of Egypt, 2nd s. of Ibrahim P., * 18/1 1830; suc. 63, Khedive 67, conqd. Darfur Kordofan, deposed 25/6 79.

Isobars, meteor., on a map, lines connectg. places at wh. mean height of barom. is the same.

Isocrates, Athen. orat., * 436 B.C., † 338 B.C. by suic.

Isolani, J. L., Count, Aust. genl., * 1586; chf. of Croats 1634, betrayed Wallenstein, † 40 Vienna.

Isomeric, ♃, of sim. compos., yet differg. in properties.

Isosceles Triangle, geom., triang. w. 2 equal angles.

Isotherms, meteor., on maps, lines indicg. places wh. have same mean temperature.

Ispahan, cap. ⊙ prov. Irak Adjemi, Pers.; 60,000 inh.; cap. of Pers. till 1722.

Issus, lake in Cilicia; ⚔ 333 B.C.

Isthmian Games, anct. Grk. games every 2 yrs. on Isth. of Corinth; first held *ca.* 1406 B.C.

Istria, marit. margraviate of Aust.; 1,900 s.m., 285,000 inh. Cap. ⊙, Parenzo.

Italian Literature. Lang. orig. a dial. of Latin. Lit. may be divd. into 4 periods: (*a*) till end of 14th cent., Dante, Boccaccio, Petrarch; (*b*) 15th & 16th cents., the Academies, Ariosto, Tasso; (*c*) 17th & 18th cents., French influence, Goldoni, Gozzi, Alfieri, Marini; (*d*) national literature, Manzoni, Leopardi, Pellico, Giusto.

Italy, kingdm. of S. Europe, cons. of Ital. penins. & isles of Sicily, Sardinia, &c.; 114,408 s.m., 29,000,000 inh.; govd. by ltd. monarchy & parlt. of 2 chambs. und. Sardin. constit. of 4/3 1848. Cap. ⊙, Rome (since 1871). Divd. into 69 provs. Army: peace 266,000, war 2,590,000. Navy: 22 ironclads, 154 others, 8,000 men. Rys. 6,200 m.; telegs. 64,000 m. Reven. £64,500,000, expend. £66,500,000, debt £450,000,000. ♛: Roman; conquered by Germ. races; Upp. Ital. united by Charlemagne to the Frank. Emp., rest divd. into little States; Cent. Ital. added to Germ. by Otho I.; Lower Ital. harried by Arabs & Grks.; Norman Emp. in Lower I. 10th cent.; union of Norman States und. Roger I. 1130 (he became k. of Sicily); united to Germ. 1190; Papal States formed 12th cent.; founding of States of Naples, Milan, Florence, Venice; Civil War; Charles of Spain, k. of Naples and Sicily 1736; Austrian extension in Upper Ital.; rise of Grd. Duchies of Tuscany, Modena, Placenza, Parma; Italy a number of republics at end of 18th cent.; a Napoleon. kingdom; form. of kngdm. of Naples 1806; fall of Fr. rule 14; Aust. took Lombardy, Venice, Dalmatia; Genoa went to Sardinia; Vict. Emm. II., k. of Sard. 49; war with Aust.; peace 10/11 59, Aust. lost Lombardy; Sard. annexed Parma & Modena 18/3 60, Tuscany 22/3 60, Naples 61; Sard. joins Pruss. agst. Aust. 66; Vict. Emm. took Rome 20/9 70, he † 9/1 78, suc. by Humbert.

Itch, ✱, scabies, contag. skin disease due to actn. of parasite, *sarcoptes scabiei;* cured by sulphur ointment appld. externally.

Item, Lat. = likewise; in addition. An item=separate part.

Ithaca, Thiaki, one of Ionian Isles; 44 s.m., 12,500 inh.

Iturbide, Aug. de, Mex. Emp., * 1784 Valladolid; Span. commr.-in-chf. against Mex. revol. 1821, joined it, elected Emp. 22, deposed 23, shot 19/7 24.

Ivan, Iwan, Russ. = John. 1] I., Gd. Dk. of Russ. 1328–40. 2] II., Gd. Dk. of Russ. 1353–59. 3] I. ("the Great"), Tsar, * 22/1 1440; suc.

62, drove out the Mongols 80, m. Sophia (niece of last Byzant. Emp.) 72, † 27/10 1503 Moscow. 4] II. ("the Terrible"), * 25/8 1530; suc. 34, conqd. Kasan 52, Astrakan 54, † 18/3 84. 5] III., half-b. of Peter the Grt., * 1666, Tsar 82, † 29/1 96. 6] IV., * 24/8 1749, murd. in pris. 5/12 64.

Ivica, one of Balearic Isles; *ca.* 270 s.m., 12,000 inh.

Ivory, the hard subst., *dentine*, of the teeth; the tusks of elephant, narwhal, &c.

Ivory, Vegetable, albumen of seeds of S. Amer. palm, *phytelephas macrocarpa*.

Ivry, ⊙ Eure, Fr.; ⚔ 14/3 1590, Ligue deftd. by Hy. of Navarre.

Ivy, ♣, the gen. *hedera*, esp. *H. helix*, wild in Brit. Ground I. is *nepeta glechoma*.

Ixion, class. myth., k. of Thessaly; bound by Mercury to a fiery wheel, & condemned to roll in mid-air; fath. of the Centaurs.

J.

J, 10th letter of alph., consonant in Eng., modifcn. of vowel I, wh. served for both cons. & vowel in Lat.; distinct. made by Dutch 16th cent.

Jabalpur, or Jubbulpore, 1] div. of Cent. Provs. of Brit. Ind., comprisg. distrs. of J., Sagar, Damoh, Seoni, & Mandla; 18,693 s.m., 1,850,000 inh. 2] Distr.; 3,918 s.m., 555,796 inh.; chf. ⊙ J., 55,188 inh.

Jabiru, ornith., *mycteria*, gen. of birds, stork fam., *ciconidæ*; 4 specs.

Jablonski, 1] J. T., Germ. † & ✓, * *ca.* 1654 Dantzic, † 1731 Berlin. 2] D. E., bro. of 1, † & ✓, * 1660 Dantzic, † 1741 Berlin. 3] P. E., s. of 2, ✍ & ✓, * 1693 Berl., † 1757 Frankfort-on-Oder.

Jacana, ornith., *parridæ*, fam. of birds, ord. *fulicariæ*; 11 specs., all inhabiting tropical countries.

Jacaranda, *v.* Rose-wood.

Jachmann, E. H., Germ. ⚓ offr., * 2/3 1822 Dantzic; in Dan. war 64, Min. of Marine 67, comm.-in-chf. 71–73, † 24/10 87.

Jacinth, *s.* Hyacinth.

Jack Ketch = a hangman: fr. J. K., executnr of dk. of Monmouth.

Jack, Gilbert, Scotch ✍, * 1578, † 1625.

Jack Upland, fict. name of ✓ of anti-eccles. satires 1394–1418.

Jackal, zool., grp. of *canidæ*, esp. *canis aureus*.

Jackdaw, or Daw, ornith., *corvus monedula*, of *corvidæ*, Crow fam.; easily learns to articulate.

Jackman, Jas., ✓, 18th cent. *All the World's a Stage*, &c.

Jackson, 1] And., Amer. ⚔ & statesm., * 15/3 1767 Warsaw, S. Carolina; maj.-gen. of U.S. army 1814, deftd. Brit. nr. N. Orleans 8/1 15, Presdt. of U.S. 28, again 32, † 8/6 45 Nashville, Tennessee. 2] Thos. Jonathan, Amer. Confed. genl., * 21/1 1824 Virginia; brig.-genl. 61, lieut.-genl. 63, und. Johnston & Lee; mortly. wounded in mistake by his own men at ⚔ Chancellorsville 9/5 63; called "Stonewall." 3] Arthur, Puritan † & ✓, * 1593 Little Waldingfield, † 1666. 4] John, Arian † & ✓, * 1686 Lensey, † 1763. "Chronolog. Antiqs." 5] Jno., R.A., port. ●, * 1778 Lastingham, † 1861. 6] Thos., Scotch ✍, * 1773, † 1837. 7] Thos., †, * 1579 Witton, † 1640. 8] Wm., ♪, * 1730 Exeter, † 1803; organ. of Ex. Cathed.; compd. "J.'s Te Deum." 9] Thos., civ. ●, * 1808, † 8/1 85. 10] John, †, * 1811; bp. of London, † 6/1 85.

Jacob, 1] Ben Ascher, Jew. ✓, * Germ., † *ca.* 1340 Toledo. 2] Ben Chayim, Jew. ✓, * *ca.* 1490 Tunis. 3] Giles, ✍ & ✓, * 1686, † 1744. 4] Hy., †, 1 of fndrs. of Independts., * 1563 Kent, † 1624 Virginia. 5] Jn., ⚔ offr., * 1812 nr. Bridgwater; commdr. of Scinde Horse, distingd. himself in 1st Afghan War; ⊙ Jacobabad named after him, † 58.

Jacobi, 1] Johann Georg, poet & ✍, * 2/9 1740 Düsseldorf, † 4/1 1814. 2] Fried. Hein., poet &

⚭, * 25/1 1745 Dusseldorf, † 10/3 1819. 3] K Gust. Jac, math ⁄, * 10/12 1804 Potsdam, † 18/2 51 Berlin 4] Mor. Herm., electr, * 21/9 1801 Potsdam, † there 10/3 74.

Jacobini, 1] Ludovico, †, * 6/1 1830 Genzano; Papal Nuncio at Vienna 74–80, card. 79, Pap. Sectry. 80, † 28/2 87. 2] Camillo, Ital economist & administr., * 1791 Genzano, † 1854 Rome.

Jacobins, violent faction in 1st Fr. Revoln, named because mtgs. in buildg formerly convent of Capuchin friars called Jacobins; dispersed on † of Robespierre, chief memb., 1794

Jacobites, partisans of James II. & of his descendants.

Jacobs, Fried. Xtian Wilhlm, philol., class & polit. ⁄, * 6/10 1764 Gotha, † there 30/3 1847.

Jacob's Ladder, ✱, the gen. *polemonium*, esp. *P. cœruleum*.

Jacoby, J., polit & ⚭, * 1/5 1805, opposed Bismarck; joind. Soc. Democrats 72, † 6/3 77.

Jacomb, Thos., Nonconf. †, * 1622, † 87.

Jacopi, Giuseppe, anat & physiologist, * 1779 Modena, † 1813

Jacopo di Pietro, Tuscan ⌕ of 14th cent

Jacopo Tedesco (Maestro Jacopo), Germ. ⚠ in Florence 13th cent.

Jacopone, Jacopo da Todi, ⁄ in vernac. Ital., * Todi, † 1306.

Jacotot, J. J., Fr. educatnist., * 4/3 1770 Dijon, † 30/7 1840 Paris

Jacquard, Jos. Marie, ⊕, invtr. of J. loom, * 7/7 1752 Lyons, † 7/8 1834

Jacquemart, Jules F., ⊕, etcher, & ⁄, * 8/9 1837 Paris, † there 26/9 80.

Jacquemont, V., traveller & naturalist, * 1801 Paris, † 1832.

Jacquerie, insurgent movemt among Fr. peasantry 1358, headed by one who called himself Jacques Bonhomme.

Jacquin, Bar. N. J. v., ✱, * 16/2 1727 Leyden, † 24/10 1817 Vienna ⁄.

Jade, or Nephrite, ⊕, impure double silicate of lime & magnesia.

Jaen, prov. of Spain; ⚠ous; 5,184 s.m., 430,000 inh., ⚒ Chief ⊙, J; 25,000 inh.

Jaffa, *v.* Joppa.

Jagello, Vladislas, * 1348; k. of Poland 86, † 31/5 1434.

Jager, 1] Osc., ♛ ⁄, * 26/10 1830 Stuttgart 2] Gust., zool. ⁄, * 23/6 1832 Börg; introd. syst. of wool. c'othing.

Jagga, *v.* Dschagga.

Jagganath, Juggernaut, *v.* Puri.

Jago, Rich., ⁄, * 1715, † 81.

Jaguar, zool., *felis onca*, of cat fam., N. & S Amer.

Jahn, 1] Otto, Ψ, philol., & art ⁄, * 16/6 1813 Kiel, † 9/9 69 Gottingen. 2] Fried. L., schol & prof of gymnastics, * 11/8 1778 Lanz, chf. of conspcy. agnst. Fr. Govt, † 15/10 1822. 3] Johann, †, * 18/6 1750 Tasswitz, † 16/8 1816.

Jaisalmir, or Jeysulmere, State of Rajputana, Ind.; 16,447 s.m., ca. 72,000 inh. Cap. ⊙, J.

Jakob, L. H. v, Germ. ⚭, polit. econ, & ⁄, * 1759 Wettin, † 1827.

Jalandhar, or Jullundur, div. of Panjab, Brit. Ind., incl. distrs of J., Hoshiarpur, & Kangra, 1,332 s.m, 800,000 inh Chf. ⊙, J; 51,000 inh.

Jalap, ✱, *exogonium purga*, nmd. after Jalap, ⊙ Mexico, root conts. purgat. resin

Jalaun, distr. of Jhansi, Brit. Ind.; 1,553 s.m, 405,000 inh

Jallabert, Johann, Swiss † & ⚭, * 1712 Geneva, † 68

Jalpaiguri, or Julpigoree, distr. of Rajshahi Kuch Behar, Brit. Ind; 2,905 s.m., 420,000 inh.; ⁄. Chf ⊙, J.

Jamaica, Xaymaca = Land of Wood & Water, largest of Brit. W. Ind. Islands; 4,256 s.m., 585,000 inh. (all, except 15,000, coloured); discovd. 3/5 1494 by Columbus; Span. 1509, Brit. 1659; negro insurrectn 1865; now Crown colny Chf ⊙, Kingston; 40,000 inh. Rys 67 m.; revenue. *ca.* £565,000; debt. *ca.* £1,480,000

Jamblichus, *v* Iamblichus.

James, *Scotland*, 1] I., s. of Robt. III., * 1394 Dunfermline,

assass. 21/2 1437 Perth by Sir R. Graham. 2] His s., II., * 1430, † 60. 3] III., s. of 2, * 1/6 1452, † 11/6 88 Bannockburn. 4] IV., s. of 3, * 17/3 1472, † 9/9 1513 ⚔ Flodden Field. 5] V., s. of 4, * 10/4 1512 Linlithgow; m. Mary of Lorraine; f. of Mary Q. of Scots, † 14/12 42 Falkland. *England:* 6] I. (VI. of Scot.), s. of Mary Q. of Scots (proclaimed k. of S. 22/7 1567), * 19/6 66 Edinburgh; suc. Eliz. 24/3 1603, † 27/3 25. 7] II., s. of Chas. I., * 15/10 1633 London; suc. Chas. II. 6/2 85, encourgd. R. Caths., brght. 7 bps. to trial June 88 for refusing to order Declaratn. of Indulgence to be read in churches, fled to Fr., indd. in Irlnd. 12/3 89, vainly besgd. Londonderry, deftd. by Wm. III. ⚔ of the Boyne 1/7 90, † 16/9 1701 St. Germains. 8] His s., Chas. Edwd., called by adherents J. III., "Old Pretndr.," * 10/6 1688 Lond., † 12/1 1766 Rome. *Aragon:* 9] I. "the Conqueror," s. of Pedro II., * 1208 Montpellier, † 76. 10] II. "the Just," s. of Pedro III., * 1261, † 1327.

James, 1] Thos., ✝ & ⁄, * 1571 Newport, I. of W.; 1st libr. of Bodleian, † 1629. 2] Thos., ⚓ offr.; attempted to find N.W. pass. 1631. 3] Sir Wm., * *ca.* 1721 Milford Haven; ⚓ offr. of E. Ind. Co., † 83. 4] John Angell, Nonconf. ✝ & ⁄, * 1785 Blandford, † 1859. 5] Wm., ⚓ ♛ ⁄, † 1827. 6] G. P. R., ⁄, * 1801 Lond., † 9/6 60 Venice. 7] Sir Hy., ⚖, * 1828; Q.C. 69, Sol.-Genl. 73, Att.-Genl. 73. 8] David (real name Belasco), com. ◐, * 1839.

9] Hy., Amer. nov., * 1843. ⁄. "Daisy Miller," &c.

Jameson, 1] Geo., Scot. port. ●, * *ca.* 1587 Aberdeen, † 1644 Edinburgh. 2] Robt., naturalist, * 1774 Leith, † 1854. 3] Anna, *née* Murphy, misc. ⁄, * 1797 Dublin, † 17/3 1860. "Lives of Early Italian ●s" 45, &c.

Jamieson, John, ✝ & philol. ⁄, * 1759 Glasgow, † 1838 Edinburgh.

Jamsilla, Nic., Ital. ♛, 13th cent.

Janauschek, Fanny, trag. ◐, * 20/7 1830 Prague.

Jang Bahadur, Ind. statesm., Prime Min. of Nepal * 1816; to Eng. 50, knighted, † 77.

Janin, 1] Jules Gab., crit. ⁄, * 24/12 1804, † 19/6 74 Paris. 2] Jules, physic. ⚕, * 1813 Ternes, † 12/2 86. ⁄.

Janina, or Ganina, ⊙ of Albania, on Lake of J.; 16,000 inh.

Janissaries (Turk. *yeniskeri* = new soldiers), body of Turkish infantry organd. *ca.* 1326, annihilated 1826.

Jansen, 1] Cornelius, Flem. ●, * 1590 Amsterdam, † 1665. Port. ● to James I. of Eng. 2] Cornelius, Dut. ✝, * 28/10 1585 Akoi; R. Cath. bp. of Ypres, Flanders, † 6/5 1638. Founder of Jansenists, wh. were condemned by Popes 1653 & 1713.

Janssen, 1] P. J. C., ✎, * 1824 Paris. 2] J., ♛ ⁄, * 10/4 1829 Xanten. 3] Peter, ♛ ●, * 12/12 1844 Düsseldorf.

Januarius, St. (San Gennaro), bp. of Benevento 3rd cent., martd. 305 (commem. 19/9); a phial of his blood at Naples said to miraculously liquefy at intervals.

January, 1st month, 31 days; named 713 B.C. after Janus.

Janus, Rom. god of doors & gates; represtd. w. 2 faces, looking behind & before: his temple closed in peace, kept open in war.

Japan, emp. of E. Asia, consistg. of 4 large islands (Niphon or Nipon, Kiushiu, Shikoku, & Yezo) & 3,000 others, all of volc. origin; 147,669 s.m., 38,000,000 inh.; 4 chf. islands ▲ous, chf. peak Fusi-jama, 12,230 ft.; commrcl. treaties w. Europe & U.S. 1854–61; rys. *ca.* 400 m.; telegs. 3,000 m.; Emp. called Mikado, absolute, but acts through Executive, w. Senate & Council of State. Cap. ⊙, Tokio (Niphon); 1,150,000 inh. Rev. & expend. ea. *ca.* £15,300,000; debt *ca.* £67,000,000. Army 65,000 men; navy 6 ironclads & 37 others, w. 4,000 men. ♛: present. dynast. fnded. 660 B.C.; Chinese supremacy 14–16 cents. Emperor Muts-hito * 3/11 1852, suc. 13/2 67.

Japan, *Sea of,* pt. *of N. Pacif. O.* W. of Japan; breadth 550 m.

Jarchi, Sol ben, Jew. ✓. 12 cent.

Jardine, 1] James, ⊕, • 1776 Applegarth; discovs. as to motion of tides, † 1858 Edin. 2] Geo., ♙, • 1827, † 72. 3] Sir Wm., ornith. & ⚒, • 1800, † 21/11 74.

Jars, G., ⊕ & ⊕, • 1732 Lyons, † 69 Clermont.

Jashpur, trib. State of Bengal, Brit. Ind; 1,947 s.m., 67,000 inh.

Jasmin, Jacq. ("Gascon barber-poet"), • 6/3 1798 Agen, † 4/10 1864

Jasmine, or Jessamine, ✿, the gen. *jasminum,* esp *J. officinale,* prob. native of Persia.

Jason, *v.* Argonauts.

Jasper, ⊕, opaque quartz or silica, many colours

Jassy, ⊙ Roumania, formerly cap. of Moldavia, 90,000 inh.

Jaucourt, Louis, Chev. de, ♗ & ✓, • 1704 Paris, † 79

Jaundice, ♗, absorption of bile by blood.

Jaunpur, distr. of Allahabad, Brit Ind; 1,556 s m, 1,100,000 inh

Java, Dutch island in Eastn Archipel., disco. by Port. 1511, colond by Dut. 95; volc., ▲ous; *ca* 51,000 s.m., 20,000,000 inh. Cap. ⊙, Batavia, 250,000 inh., rys. 560 m.

Jaxartes, *v.* Syr-Daria.

Jay, 1] John, Amer. statesman, • 12/12 1745 New York, † 17/5 1829 Bedford, Mass.; ♗; author of constitution of U S., Min. to Eng. 2] A., Fr. journ. & ✓, • 1770 Guitres, † 1854 Chambreville. 3] Wm., Nonconf † & ✓, • 1769 Tisbury, † 1853 Bath. 4] *v.* Le Jay.

Jay, ornith.; Brit. J., *garrulus glandarius;* Blue J., *cyanocitta cristata;* Green J., *xanthura luxuosa*

Jayadeva, Hindoo poet of 12th cent. "Gitagovinda"

Jeacock, C. ("Literary Baker"), an 18th cent. opponent of Deists. ✓

Jeaffreson, J. Cordy, misc. ✓, • *ca.* 1826.

Jeanes, Hy., † & ✓, • 1611, † 62.

Jean Paul, *v.* Richter

Jeanne d'Albret, Q. of Navarre, d. of *John II.* of N. & Marguerite of Fr., • 1528 Pau; m. dk. of Vendôme 48, succ father 55, supporter of Calvinism, † 72 Paris.

Jeannin, Pierre, Fr. statesm., • 1540 Autun, † 1662.

Jeaurat, E S., ✱, • 1724 Paris, † there 1803.

Jebb, 1] John, † & ✓, • 1775 Drogheda; bp. of Limerick 1823, † 33. 2] Saml., ♗ & scholar, • Nottingham, † 1772 3] R. C., class. ✓, • 1841 Dundee; Grk. Prof Glasgow 75.

Jebel, Arab = ▲ or ▲▲.

Jeddah, or Jiddah, ⊙ of Arabia, on Red Sea, *ca.* 20,000 inh.

Jeejeebhoy, Sir Jamsetjee, • 1783 Bombay; Parsee mercht., 1st Oriental bart. of Unit. K., † 1859.

Jefferies, Rich., misc. ✓, • 1848, † 14/8 87 "Gamekeeper at Home," "Wild Life in a Southern County."

Jefferson, 1] Thomas, Amer. statesm. & ✓, • 2/4 1743 Shadwell, Virg; drew up Decln. of Indep., Prsdt of U.S. 1800, † 4/7 26. 2] Jos., Amer. ✆, • 1829 Philadelphia

Jeffrey, Francis, ♗ & ✓, • 23/10 1773 Edinburgh; ed. *Edin Review* 1803–29, duel w. Tom Moore 06, Scot. judge 34, w. courtesy title Lord, attacked Lake poets, † 26/6 50.

Jeffreys, 1] Geo., Ld., • *ca.* 1648 Acton; Ld. Chanc. 85 as rewd. for brutality to adherts. of dk. of Monmouth in "Bloody Assize," fled on abdic of Jas II, but seized & comtd. to Tower, † there 19/4 89. 2] Geo., ✆ ✓, • 1678, † 1775.

Jehandur, Emp. of Ind.; suc. his fath., Bahadoor Shah; assd. 1713.

Jehangee, Emp. of Ind., • 1568; recvd emb from James I., † 1627.

Jekyll, Sir Jos., ♗, • 1664, Mast. of Rolls 1717, one of Comrs. of Grt. Seal 25, † 38.

Jellachich de Buzim, Joseph, Count, Aust. gnl., • 16/10 1801 Peterwardein; Ban of Croatia, saved Vienna by vict. of Swechat, † 20/5 59 Agram.

Jemappes, Belg. ⊙, 12,000 inh.; ⚔ 6/11 1792.

Jena, ⊙ Saxe-Weimar-Eisenach, Germ.; 9,100 inh.; univ. fnded. 1588: ✕ 14/10 1806, Pruss. deftd. by Nap. I.

Jenghiz Khan, * 1162; Mongol Emp. at 1213, conqd. N. China, E. Persia, & Tartary, † 27.

Jenkin, Fleeming, ⚙, electr., & scient. ✓, * 1833 Kent; F.R.S. 65, prof. of ⚙ Edinb. 68, † 12/6 85.

Jenkins, 1] Edwd., ✓, * 1838. "Ginx's Baby," &c. 2] David, ✓, * *ca.* 1586 Hensol, † 1667. 3] Sir Leoline, statesm., * *ca.* 1623 Llantrissaint; chf. judge of Ct. of Adm., ambass. to the Hague, † 85.

Jenkinson, 1] *v.* Liverpool. 2] Anthony, travl.; Brit. amb. to Russ. 1571, † 84.

Jenks, Benj., † & ✓, * 1646, † 1724.

Jennens, Chas., ✓, librettist of Handel's *Messiah*, † 1773.

Jenner, 1] Edw., ⚕, * 17/5 1749 Berkeley; studied und. Jno. Hunter; dised. vaccinatn.; Parlt. voted him £10,000 in 1802, £20,000 in 06, † 26/1 23. 2] Sir Wm., ⚕, * 1815 Chatham; F.R.S. 64, Pres. of R. Coll. of Phys. 81–6, K.C.B. 72.

Jennings, 1] D., Nonconf. † & ✓, * 1691 Kibworth, † 1762. 2] Hy. C., † & ✠ ✓, * 1731, † 1819. 3] Louis John, polit. & ✓, * 1837; M.P. 85.

Jenny (*pron.* Jinny), spinning-machine invntd. by J. Hargreaves; corrpt. of ginny, dim. of gin = engine.

Jensen, 1] Adolph, ♪ comp., * 12/1 1837 Königsberg, † 23/1 79 Baden Baden. 2] W., Bar. v., ☾ & rom. ✓, * 15/2 1837.

Jenyns, Soame, misc. ✓, * 1704 London, † 87.

Jephson, Robt., ☾ ✓ & satirist, * 1736 Ireland, † 1803.

Jerboa, or Jumping Mouse, zool., *dipus ægyptius*, gen. of *rodentia*.

Jerdan, Wm., journ. & ✓, * 1782 Kelso; one of finders. of Roy. Soc. of Lit., & of Garrick Club, † 11/7 1869.

Jeremiah, Hebr. proph. ✓, † *ca.* 570 B.C. Egypt.

Jeres, or Xeres de la Frontera Sp. ⊙, prov. of Cadiz; 65,000 inh.

Jerichau, J. A., ☾, * 17/4 1816 Assens, † 25/7 83 Copenhagen.

Jericho, ⊙ Palest., now Ariha.

Jerningham, Edw., poet. & misc. ✓, * 1727, † 1812.

Jerome of Prague, reform. †, * *ca.* 1365 Prague; friend of Huss, burnt at Constance 30/5 1416.

Jerome, St (Hieronymus), †, ✓, * *ca.* 342 Dalmatia; translr. of Vulgate, † 30/9 420 Bethlehem.

Jerrold, 1] Douglas Wm., ☾ ✓ & wit, * 3/1 1803 London; contribut. to *Punch*, ed. *Lloyd's Weekly Newspaper* 52–7, † 8/6 57 Kilburn. *Black-eyed Susan* 29. 2] Wm. Blanchard, journ., ☾, & misc. ✓, s. of 1, * 23/12 1826; ed. *Lloyd's* 58, † 10/3 84.

Jersey, *v.* Channel Islands.

Jersey City, ⊙ New Jersey, U.S.A., oppos. N. York; 130,000 inh.

Jerusalem, J. F. W., Germ. †, * 1709 Osnabruck, † 89.

Jerusalem, cap. ⊙ Palestine, on Kedron ⚓; rebellin. A.D. 70, besieged by Titus & destroyed. New ⊙ blt. by Hadrian 135, Ælia Capitolina; und. Constantine (320) resumed anct. name; takn. by Chosroes 614, retkn. by Roms. 628, seized by Saracens 637, resed. by Crusaders 1099, surr. to Saladin 1187; inclosd. by wall blt. by Sult. Soliman 16th cent.; *ca.* 20,000 inh.

Jerusalem Artichoke, *v.* Artichoke.

Jervis, 1] *v.* St. Vincent. 2] Sir John, ⚕, * 1802; Att.-Genl. 46, Chf. Just. Com. Pleas 50, † 56.

Jervois, Lieut.-Gen. Sir W. F. Drummond, ✕ & administ., * 1821; Govr. of Straits Settlemts. 75, of S. Austral. 78, of N. Zealand 82.

Jessamine, *v.* Jasmine.

Jesse, J. H., misc. ✓, * 1815, † 74.

Jesse-tree, in Christn. art, a vine tracing genealogy of Christ.

Jessel, Sir Geo., ⚕, * 1824; M.P. 68, Sol.-Genl. 71, Mast. of the Rolls 73; 1st Jew to sit on Eng. Bench, † 21/3 83.

Jessore, distr. of Brit. India; 3,713 s.m., 2,100,000 inh.

Jesuits, or Society of Jesus, ord. of R. Cath. Ch. fnded. 1534 by Ignatius Loyola, esp. to counteract Reformat & uphold Ch. by organis based on ✠ model, w. a genl. at hd. possessg. supreme power; at his death 1,000 membs.; rendered grt. serv. to Papacy, but obnoxious to most civil govts.; expell fr. Fr. 1594, 1764, 1831, 45, 80, Venice 1607, Holl. 1708, Port. 1759, 1834, Braz. 1759, Sp. 1767, 1820. 35, Two Sicilies & Parma 1768, Belg. 1818, Russ. 1817, Sardin. & Austr 1848, Italy 1860, 73, Germ. 1872, Engld. 1579, 81, 86, 1602, 1829; Papal Bull issued agst. it 1773; re-estabd. by Pius VII. 1814: the Soc. now has 6,000 membs.

Jesuits' Bark, Cinchona (*q v*)

Jet, ⊕, var. of lignite; hard, light, takes good polish; for ornaments: fnd. at Whitby, Skye, &c.

Jetsam, ⚓, goods wh. have been thrown overboard & have sunk; in abs. of lawf. owner bel. to Crown.

Jeu d'esprit, Fr. = play of wit; a joke.

Jeune, *v.* Le Jeune.

Jevon, Thos., ♁ ✓, † 1688.

Jevons, Wm. Stanley, scient., ♗, & econ. ✓, * 1835 Liverpool; prof. at Owens Coll, Manchester, 66–76, at Lond., 76–81, F.R.S 72, † 13/8 82

Jew, The Wandering, legendary J. condemned to wander on earth till Christ's return.

Jews, Semitic race, chfly. from tribe of Judah, one of 12 tribes of Hebrews. They were dispersed throughout the known world after the fall of Jerusalem, & are now estimtd. to numb. *ca.* 8 millions. Russia 4,000,000, Austro-Hungary 1,600,000, Germ. 565,000, Roumania 260,000, Turkey 100,000, Holland 82,000, France 76,000, G. Brit. 65,000, Italy 40,000, Switzerld. 8,000, Scandinavia 7,000, Servia 3,500, Greece 2,700, Iberian Peninsula 2,200, Asia *ca.* 200,000, Africa *ca.* 225,000, Amer. 250,000, Australia 15,000. In Engld. div.; into "orthodox" & "refrmd.;" admitted to franchise 1832, to Parlt by Acts of 58, 60, 68.

Jew's-eye = anything valuable: prob. from Ital *gioja* = jewel.

Jewell, John, †, * 1522 Devon; driven to Continent, retnd. *ca.* 58, bp. of Salisbury 60, † 71. ✓.

Jewitt, Llew., Ψ, * 1817, † 5/6 86 Duffield

Jewsbury, 1] Maria J. (Mrs. Fletcher), poet. & misc. ✓, * 1800, † 33 Bombay. 2] Geraldine Endsor, nov. ✓. "Zoe" 1845, &c.

Jeypore, or Jaipur, nat State of Rajputana, Ind.; 15,250 s.m., *ca.* 2,000,000 inh Cap. ⊙, J., 140,000 inh

Jezreelites, †, a sect fnded at Gillingham, Kent, by James White († 1885), who called himself Jas. Jershom Jezreel, & profesd. to have recvd. as revelatn "The Flying Roll."

Jhelawar, native State of Rajputana, Ind.; 2,500 s m, 226,000 inh. Cap ⊙, Jhabra Patan.

Jhang, distr. of Multan, Brit. Ind, 5,712 s m, 350,000 inh. Cap. ⊙, J.

Jhansi, divisn. and distr. of Brit. Ind., N.W. Provinces: divsn 5,067 s m, 940,000 inh.; distr. 1,567 s m, 320,000 inh. Cap. ⊙, J.

Jhelum, distr. of Panjab, Brit. Ind; from ♗ J. (anct. Hydaspes); 3,910 s.m, 505,000 inh. Cap. ⊙, J.

Jib, ⚓, foremost sail of ship, resting on bowsprit or jib-boom.

Jihun, ♗ Amu-Daria (*q.v.*).

Jilolo, or Gilolo, Dutch island of E Archipel., 6,410 s.m.; sago.

Jingo = a fire-eater in foreign policy deriv. from refrn. of Eng. ♫-hall song popular 1877–8.

Joachim, 1] Jos., Hung. ♥ comp. & violin, * 28/6 1831 Kittsee; dir. of Berlin R. A. of Mus. 69.
2] His w., Amalia, *nee* Schneeweiss, singr., * 10/5 1839 Marburg.
3] George, surnd. Rhæticus, Swiss math. & ✠, * 1514 Felakischen, † 76.

Joan, 1] I., Q. of Naples, * 1327; patron. of Boccaccio, † 82 2] II, Q of Naples, * 1370; suc. 1414, † 2/2 35

Joan, woman of Eng. descent, *

at Mainz, once erroneously belvd. to have been Pope 934–36.

Joan d'Arc, *v.* Arc.

Joanny, J. B. B., Fr. trag. ☾, * 1775 Dijon, † 1849.

Job's-tears, ✱, hard seeds of a grass, *coix lachryma*, of trop. Asia.

Jocelin of Brakelond, Eng. ✍ /, † *ca.* 1211.

Jochanan, Ben Naschar, Jew. /, * *ca.* 185, † 279.

Jodhpur, or Marwar, largest State of Rajputana, Ind.; 37,000 s.m., 2,850,000 inh. Cap. ⊙, J.

Joecher, Ch. G., Germ. ⁂, * 1694 Leipzig, † 1758.

Joe-Miller = stale joke: from Joseph M., comic ☾ (1684–1738), in whose name collection of jests was publd. after his † by Jno. Mottley.

Johannes II. (Kassa), k. of Abyssinia; suc. 1872.

Johannes Jucundus, or Fra Giovanni Giocondo, △ & class. /, * *ca.* 1435 Verona, † after 1514 Rome.

Johannisberg, Rhenish wine: named from castle near Wiesbaden.

John, 1] k. of Eng. (Lackland), * 24/12 1167; suc. 1199, murd. neph. Arthur 1203, quarrld. with Pope 07 & w. Barons, signed Magna Charta 15/6 15, † 19/10 16 Newark-on-Trent. **2]** of Saxony, * 12/12 1801; suc. his bro. Fredk. Aug. II. 54, joined N. Germ. Confedn., † 29/10 73. /. **3]** I. of Arragon, * 1350, † 95. **4]** II. of Arragon, * 1397, † 1479. **5]** of Luxemburg ("the Blind"), * 1295; k. of Bohem. 1310, † at ✕ Crecy 46. **6]** I. of Castile, * 1358, † 90. **7]** II. of Castile, * 1405, † 54. **8]** K. of Denmark, Sweden, & Norway, * 1455, † 1513. **9]** *Portugal:* I., * 1357, † 1433. **10]** II., * 1455, † 95. **11]** III., * 1502, † 57. **12]** IV., * 1604, † 56. **13]** V., * 1689, † 1750. **14]** VI., * 1769; fled to Brazil before Napol. I., but retnd., † 1826. **15]** *Sweden:* I., † 1223. **16]** II., *v.* 8. **17]** III., yngr. s. of Gustavus Vasa, * 1537, † 92. **18]** K. of Fr., * 1320, † 8/4 64 Lond. **19]** Surnmd. De Dieu, fndr. of charit. ord. calld. after him, * 1495 Portugal, † 1550. **20]** *Roman Emprs. of East:* I., surnd. Zimisces, seized throne 969, poisnd. 76. **21]** II. (Calo Johannes), s. of Alexius Comnenus, * 1088; succ. 1118, † 43. **22]** *Popes:* I., 523–6. **23]** II., 532–5. **24]** III., 560–73. **25]** IV., 640–2. **26]** V., 685–7. **27]** VI., 701–5. **28]** VII., 705–7. **29]** VIII., 872–82. **30]** IX., 898–900. **31]** X., 914–28. **32]** XI., 931–6. **33]** XII., 938–64. **34]** XIII., 965–72. **35]** XIV., elected 983–95. **36]** XV., 985. **37]** XVI., 986. **38]** XVII.; Anti-Pope 997, † in prison 98. **39]** XVIII., 1003. **40]** XIX., 1003; abdicated, † 09. **41]** XX., 1024–33. **42]** XXI., 1276–7. **43]** XXII., 1316–34. **44]** XXIII.; elect. 1410; Counc. of Constance decided agst. all 3 rival popes, & Martin V. elected. **45]** Archdk. of Austr., ✕, * 20/1 1782 Florence; commd. against Napol., † 11/5 1859 Graz. **46]** III., Sobieski, k. of Poland, * 2/6 1629 Olesco; suc. 74, grt. ✕ commr., † 17/6 96. **47]** *v.* Juan.

John, St., **1]** Baptist, fore-runner of Christ, execd. 28. **2]** Evangelist, s. of Zebedee, prob. † *ca.* 99 Ephesus.

John, Eugénie (pseud. of E. Marlitt), Germ. rom. /, * 25/12 1825 Arnstadt, † there 22/6 87.

John Bull = an Englishm.: prob. fr. charactr. in satire by Arbuthnot, "Law is a Bottomless Pit."

John Dory = Fr. *jaune doré* = golden-yellow; ichth., *zeus faber*.

John of Gaunt (*alias* Duke of Lancaster: named from birthplace, Ghent), 4th s. of Edwd. III., father of Hy. IV., * 1340; protector of Wycliffe, † 99.

John o' Groat's House, inn, Duncansby Head, N. point of Scot.

John of Hexham, Eng. ✍ /, 12th cent.

John of Leyden (J. Bockhold), Anabapt. tailor, * 1510, exec. 23/1 36 for seizg. ⊙ of Munster.

John of Oxnea (*temp.* Edw. I.), /; Lat. "Chronicle" 449–1292.

John of Trokalowe (*temp.* Edw. III.), / "Annals" of Edw. II.

John, Prester, *v.* Prester John.

Johnes, Thos., ✓, * 1749, † 1816. Transl. of Froissart's "Chronicle."

Johnny Crapaud=a Frenchman. *Crapaud* = toad; fr. device of anct. Fr. kings: 3 toads erect, saltant.

Johnson, 1] Saml., poet, misc. ✓, & lexicog., * 18/9 1709 Lichfield, settled in Lond. as ✓ 36; "Lond., a Satire" 38, "Vanity of Human Wishes" 49, "Rambler" 50–52, "Dict. of Eng. Lang" 55 (recvd 1,500 gs.), "Idler" 58–60, "Rasselas" 59, ed. of Shakespeare 65, "Journey to Western Islands" 75, "Lives of Eng. Poets" 81; LL.D. (Dublin) 65, D.C.L. (Ox.) 75, pension of £300 a yr. 62, † 13/12 84 London. Life by Boswell. **2]** Reverdy, Amer. statesman, * 1796; Minist. to Eng. 1868, negotd. Alabama treaty, † 10/2 76. **3]** And., 17th Presdt. of U.S., * 29/12 1808 Raleigh; Vice-Prsdt. 65, Presdt. 14/4 65–69, impeached 68, acquitted, † 31/7 75 Carter County. **4]** R., misc. ✓, *temp.* Eliz. & Jas. I. **5]** Saml., † & polit. ✓, * 1649 Warwicksh.; † 1703. **6]** Thos., ✓ & class. editor, * 1675, † 1750. **7]** John, nonjuring † & ✓, * 1662, † 1725. **8]** Chas., ☉ ✓, * 1679, † 1748. **9]** Saml., ☉ ✓, * 1705, † 73. **10]** Jas., ♪ & ✓, * 1777 Ireland, † 1845 Brighton.

Johnston, 1] Albert Sydney, Amer. Confed. ⚔, * 1803 Kentucky; mort. wounded ⚔ of Shiloh 6/4 62. **2]** Jos. Eggleston, Amer. Confed. ⚔, * 1807 Virginia. **3]** Alex. Keith, ☉, * 28/12 1804 Kirkhill, † 9/7 71 Ben Rhydding. ✓ "Dict. of ☉," &c. **4]** Alex. Keith, s. of **3**, ☉ & travlr., * 1846; to Africa 79, † 79 Behobeho. "Book of Phys. ☉," &c. **5]** Sir Arch., of Warriston, Scot. ♆ & statsm.; mem. of Westmr. Assemb. 1644, peer, execd. 63 Edin. **6]** Geo., Scot. naturalist, * 1797, † 1855. **7]** A., Scot. poet, * 1587, † 1641. **8]** John, ✓, † 1612. **9]** Jas. Weir, prof. of ♃, * 1796, † 1853. **10]** Robt., Scot. ♛ ✓, † 1639. **11]** Chas., ✓, † 1800. "Chrysal," &c.

Joinville, 1] Jean de, ♛ ✓, * 2,214 † 1319. **2]** F.F Phil. d'Orléans, Prince de, 3rd s. of Louis Philippe, * 14 8 1818; m. 1/5 43 to Pcess. Francesca of Brazil.

Jokai, Moritz, Hung. nov. & misc. ✓, * 19/2 1825 Komorn; ed. *Hon.*

Jomelli, R., ♛, * 10/9 1714 Aversa, † 25/8 74 Naples; operas.

Jomini, Antoine Henri, Baron, ⚔ ✓, * 6/2 1779 Payerne, Switz.; in Fr., & Russ. serv.; † 24/3 1869, Passy.

Jon, F. du (known also as Junius), Fr. Prot. † & philol., * 1545 Bourges; prof. of † Heidelberg, † 1602.

Jonas, J., Prot. † & ✓, * 1493 Nordhausen, † 1555.

Jonathan, Brother, nickname for inhs. of U.S.: from J. Trumbull, govr. of Connecticut.

Jonckbloet, W. J. A., Dut. ♛ ✓, * 6/7 1817 Hague.

Jones, 1] Sir Wm., ♆ ✓, * 28/9 1746 Lond.; orientalist, Ind. judge, fndr. & 1st prsdt. of R. Asiatic Soc., † 27/4 94 Calcutta. **2]** Inigo, △, * *c.* 1572 London; introd. into Eng. Palladian △ (*v.* Palladio), † 5/7 1651. **3]** Paul (real name John Paul), privateer, * 6/7 1747 Arbigland, Kirkcudbright; joind. Amers., † 18/7 92 Paris. **4]** T. Wharton, F.R.S., ♪ & ✓, * 1808 St. Andrews, Scot.

5] Owen, △ & ✓, * 1809, † 74. "Gram. of Ornament" 56, &c. **6]** Hy. Bence, ♪ & ✓, * 1814 Suffolk, † 73. **7]** Ernest Chas., Chartist & journ. ✓, * 1819 Germ., † 69. **8]** Eben., poet & polit. ✓, * 21/1 1820 Islingtn., † 14/9 60. **9]** E. Burne-J., ☻, * 1833, A.R.A 85.

10] Griffith, misc. ✓ & publr., * 1722, † 80. **11]** Hy., ☉ ✓, * 1720, † 70. **12]** Jer., Nonconf. † & ✓, * 1693, † 1724. **13]** John, 16th cent. ✓. **14]** John, 17th cent. ☉ ✓. **15]** John, LL.D., ✓, * 1765, † 1827. "Grk. & Eng. Lex." **16]** Rice, Welsh poet, * 1716, † 1801. **17]** R., Welsh †, 17th cent. **18]** Stephen, misc. ✓, * 1763, † 1827. **19]** Wm., † & ✓, * 1726 Northamptonsh., † 1800. **20]** T. Rymer, F.R.S. scient. ✓, * *ca.* 1810.

21] Wm., math., * 1680 Anglesey, † 1749.

Jonson, Ben, poet & ✆ ✓, * 11/6 1573; common soldier in Netherlands, actor in Lond. *Every Man in his Humour* 96, *Every Man out of his Humour* 99, *Catiline* 1611, † 6/8 37.

Joppa (Jaffa), ⚓ ⊙ of Judæa, 33m. frm. Jerusalem; *ca.* 8,000 inh.

Jörd, Scand. myth., the Earth.

Jordaens, Jakob, Dutch ☻, * 19/5 1593 Antwerp, † there 8/10 1678.

Jordan, 1] Dorothea (*nee* Bland), ✆, * 1762 Waterford; w. of dk. of Clarence, afterwards Wm. IV., † 1816 St. Cloud. **2]** Thos., ✆ ✓ & poet, *temp.* Chas. I.

Jordan, ⅄ Palestine, flows fr. Anti-Lebanon to Dead Sea; 200 m.

Jortin, John, D.D., Eng. ✝ & ✓, s. of a Fr. refugee, * 1698 Lond.; archdn. of London 1764, † 20/8 70

Joss, or Joss, household god of Chinese. Joss-house = temple.

Joseph, 1] I. ("the Victorious"), Emp. of Germ., * 26/7 1678 Vienna; Emp. 1705, † 17/4 11. **2]** II. of Germ., s. of Francis I. & Maria Theresa, * 13/3 1741 Vienna; Emp. 65, sole ruler of Aust. at moth.'s dth. 80; † 20/2 90.

Josephine, Marie Rose, *née* Tascher de la Pagerie, * 23/6 1763 Martinique; w. (1) 79 of Visct. Alex. Beauharnais, (2) 96 of Nap. I. Divrcd. 1809, † 29/5 14 Malmaison. *v.* Bonaparte 15.

Josephus, Flavius, Jew. ♨ ✓ & genl., * 37 Jerusalem; captd. by Vespasian, † *ca.* 93 Rome.

Josh Billings, *v.* Shaw, H. W

Josika, Nic., Baron ("Walter Scott of Hungary"), nov. ✓, * 28/4 1794 Torda, † 27/2 1865 Dresden.

Josquin de Prés, Dut. ♪, * *ca.* 1450, † 27/8 1521.

Joubert, 1] Petrus Jacobus, Boer ⚔ & statesm., * *ca.* 1831 S. Africa; 1 of triumvirate who in Dec. 80 proclaimed indep. of Transvaal, defd. Brit. 20/12 80, 28/1 Laing's Nek, 27/2 Majuba Hill 81. **2]** B. C., Fr. genl., * 1769, † 16/8 99 ⚔ of Novi. **3]** Joseph, Fr. moralist, * 1754 Montignac, † 1824. ✓.

Jouffroy, Theo. S., Fr. ⚒ & ⚗, * 7/7 1796 Pontets; prof. at College de Fr., † 1842. ✓.

Jouffroy d'Abbans, C. F. D., marq. de, Fr. ⚙, * *ca.* 1751; 1 of 1st to apply steam to ships, † 1832.

Joule, James Prescott, F.R.S., electrician, * 1818.

Jourdan, 1] Jean B., Comte de, ⚔, * 29/4 1762 Limoges; Fr. commander-in-chief 93, marshal 1804, defd. at ⚔ Vittoria 1813, † 23/11 33. **2]** Fr. revolnst., * 1749, exectd. 94.

Jouvenet, Jean, Fr. ☻, * 1647 Rouen, † 1717 Paris.

Jouy, V. J. E., Fr. ✆ ✓, * 1764, † 1846.

Jove, *v.* Jupiter.

Jovellanos, G. M. de, Span. statesm. & ✓, * 5/1 1744 Gijon, † 27/11 1811.

Jovianus, Flavius Claudius, Rom. Emp. for 7 mos., † 364.

Jovius, *v.* Paolo, Giovio.

Jowett, Benj., ✓ & ✝, * 1817; Regius Grk. Prof. Oxf. 55, Master of Balliol 70.

Joyce, Jer., misc. ✓, * 1764, † 1816.

Joyner, Wm., ✆ & poet. ✓, * 1622, † 1706.

Juan d'Autriche, Don, natl. s. of Chas. V., Sp. genl., * 25/2 1547; won ⚓ ⚔ Lepanto 71, † 1/10 78.

Juanes Vincente, "The Span. Raphael," ☻, * 1523, † 79.

Juan Fernandez, volc. isle in S. Pacif., 52 s.m. Alex. Selkirk, Scot. ⚓, shipwrecked, lived here 1704–9: hence "Robinson Crusoe."

Juarez, Benito Pablo, Mex. ⚔ & statesm., * 1806 Ijtlan; Indian, Presdt. 58, on withdrawal of Fr. troops again Presdt. 67, † 15/7 72.

Juba, k. of Numidia & Mauritania; sided w. Pompey agst. Cæsar, defd. at ⚔ Thapsus, † by suic. B.C. 46.

Jubbulpore, *v.* Jabalpur.

Jubilee, 25th, 50th, or 100th anniv. of some joyful event: from Hebr. custom cancelling debts,

restoring land to orig. owners, &c. at end of 50 yrs. J. of Geo. III.'s reign celeb. 25/10 1809; of Q. Vict.'s 21/6 87. R. Cath. J. every 25th year.

Jucundus, *v.* Johannes J.

Judæa, most S. of anct. provs. of Palestine, now pt. of Turk. pashalik of Damascus.

Judaism, †, relig. of Jews.

Judas Maccabeus, *v.* Maccabeus.

Judas-tree, ✿, pop. name of gen. *cercis*, ord. *leguminosæ*.

Judge Advocate General, Min. of Crown to advise on ⚔ law.

Judicial Committee of Privy Council, *v.* Privy Council.

Judicial Separation, *v.* Divorce.

Judson, 1] Adoniram, Amr. Bapt. missny. to Burmah, * 1788 Maldern, Mass.; ✓ Eng. & Burm. Dict., † 1850. 2] E. F. C (Ned Buntline), Amer. nov. ✓, † 17/8 86.

Juggernaut, *v.* Puri.

Jugurtha, k. of Numidia, * 154 B.C., † in Rom. prison 104.

Jühlke, J. B. F., hortic., * 1/9 1815 Barth. ✓.

Jujube, 1] ✿, plts. of gen. *zizyphus*, ord. *rhamnaceæ*. 2] A sweet gelatine lozenge.

Jukes, Jos. Beete, ⚒, * 10/10 1811 Birmingham, † 29/7 69.

Julian Calendar, *v.* Calendar.

Julianus, Flav. Claudius ("the Apostate"), * 331 Constantinople; Rom. Emp. 361, † in ⚔ w. Pers. 26/6 363.

Julien, Stanislas Aignan, ✓, orient. & Chin. schol., * 13/4 1797 Orleans, † 20/2 1873 Paris.

Julius, *Popes*: 1] I., 336–52. 2] II., * 1443 nr. Savona; P. 1503–13, laid 1st stone of St. Peter's; patron of Michelangelo. 3] III., 1550–55

Julius Cæsar, *v.* Cæsar.

Julien de Paris, M. A., Fr. journ. & ✓, * 1775 Paris, † 1848.

July, 7th mo. of year; 31 days; orig. Quintilis: from Julius Cæsar.

July Revolution, 27–29/7 1830 Paris.

Jumna, or Jamna, ⚓ of N. Ind.; flows from Himalayas 680 m. to Ganges.

Junagarh, nat. State of Guzerat, Brit. Ind.; 3,800 s.m., 382,000 inh. Chf. ⊙, J.

Juncaceæ, or Junceæ, ✿, ord. of endogens, incldg. rushes.

June, 6th mo. of year; 30 days: named from Juno.

Jung, 1] J. H. (Stilling), Germ. pietist & ✓, * 12/9 1740 Imgrund, † 2/4 1817 Carlsruhe. 2] Alex., rom. & crit. ✓, * 28/3 1799, † 20/8 1884. 3] Sir Salar, Ind. statesm., * 1829; Dewan (= Prime Min.) of Hyderabad 53, to Eng. 76, K.C.S.I., † 8/2 83. 4] *v.* Jang.

Junge, Joachim, Germ. ✠ & naturalist, * 1587, † 1657. ✓.

Jungfrau, ▲ Bernese Alps, 13,671 ft.

Junghuhn, F. W., scient. ✓, * 1809 Mansfeld; explored Java, † 64.

Jungle Fowl, ornith., *megapodius tunicatus* of Austral. Red J. F., *gallus bankiva*, prob. orig. of domestic fowl.

Jungmann, J., Bohem. ✓, * 1793, † 1847. "Bohem.-Germ. Dict."

Junior Optime, Camb. Univ. term = 3rd class honour man in math. honour exam.

Junior Soph, *v.* Soph.

Junius, assumed name of ✓ of polit. letters publd. 1769; believed to be Sir Philip Francis.

Junius, *v.* Jon.

Junk, ⚓, 1] flat-bottomd. vessel, China & Japan. 2] Lengths of old cable & rope: hence tough salt meat.

Juniper, ✿, the gen. *juniperus*, order *coniferæ*; 27 specs.; cones (called berries) diuretic: used to flavour gin.

Juno, class. myth., sist. & w. of Jupiter = Grk. Hera.

Junot, Andoche, Fr. ⚔, * 23/10 1771; duc d'Abrantès, † by suic. 29 7 1813.

Junto, a secret council; used of a group of Whigs in reign of Wm. III.: from Span. *junta* = council

Jupiter, 1] class. myth., chf. god

of Roms.=Zeus of Grks.; lord of heaven. 2] ♃, largest of planets, attended by 4 satellites: diam. *ca.* 87,000 m.; *ca.* 1,300 times size of earth, but only 325 times as heavy; 493,000,000 m. from sun; revoltn. takes 12 years; eclipses of its moons enabled ♃s to determ. veloc. of light.

Jura, ⊙, 1] island of Inner Hebrides; 781 inh. 2] Dept. of E. France; 1,928 s.m., 290,000 inh. 3] ⛰ separating Fr. from Switz.; 156 m. long by *ca.* 38 m.

Jurassic Formation, ⚒, includes Oolite & Lias (*q.v.*), which enter largely into struct. of Jura ▲s.

Jure divino, Lat. = by divine right.

Jurien, Pierre, Fr. Prot. †, • 1637, † 1713.

Jury, ⚒, body of men *sworn* to determine facts in civil or criminal cases. System prob. introd. into Eng. by Norms., but by some traced to Alfred the Great.

Jus gentium, Lat. = law of nations.

Jus mariti, Lat. = right of husband (to wife's property).

Jussieu, 1] Antoine Laurent de, most celeb. of fam. of Fr. ♃s, • 12/4 1748, † 17/9 1836. 2] His s., Adrien, ♃, • 1797, † 1853. 3] Bern., ♃, • 17/8 1699 Lyons, † 6/11 1776.

Juste milieu, Fr. = the just (golden) mean.

Justel, 1] C., Fr. canonist, • 1580 Paris, † 1649. 2] His s., H., also canonist, • 1620 Paris; librarian to Charles II. of England.

Justices in Eyre, *v.* Eyre.

Justices of the Peace, ⚒, magistrates apptd. at discretn. of Ld.-Chancelr. Ld. Mayor & Aldermen of London & Mayors of boro's are J.P.s *ex officio;* mostly unpaid, except in London & larger ⊙s.

Justiciary, High Court of, supr. crim. ct. & ct. of appeal in Scot.

Justification by Faith, † doctrine, advocated by Luther, of salvation by faith without works.

Justin, J. Martyr, Christian † /, • *ca.* 166 Shechem. exec. betw. 148–165.

Justinian, 1] I., Rom. Emp. of East 527–65, • 483; codifd. Rom. law. 2] II., Emp. of E., 685–695, again 704, assd. 711.

Justinus, 1] I., Rom. Emp. of East 518–27. 2] II., Rom. Emp. of E. 565–78.

Jute, fibre of Ind. plants, *corchorus capsularis* & *C. olitorius,* used for sail-cloth, cordage, &c.

Jutland, ⊙, prov. of Denmark; 18,290 s.m., 870,000 inh.

Juvenal, Dec. Jun., Rom. satir. /, • 47, † 130.

Juxon, Wm., †, • 1582 Chichester; bp. of Hereford 1633, of Lond. 33, Lord High Treasr. 35, deprivd., archbp. of Canterbury 60, † 63.

Juynboll, T., Dutch orientalist, 6/4 1802, † 61.

K.

K, consonant, 11th letter of Eng. alph. K.G. = Knight of the Garter, K.T. = Knight of the Thistle, K.C.B. = Knight Commndr. of the Bath, K.C.S.I. = Kt. Comdr. of the Star of India, K.C.I.E. = Kt. Commndr. of the Ind. Empire, K.C.M.G. = Kt. Comdr. of St. Michael & St. George. As a Rom. numeral, K = 250, $\overline{K}$ = 250,000. In ⚗, K = Kalium = potassium.

Kaaba, the Mahom. temple at Mecca, esp. the oratory within, containing a black stone said to have been giv. by an angel to Abraham. The temple (rebuilt 1627) is *ca.* 54 × 42 × 40 feet.

Kabbalah, *v.* Cabala.

Kabul, or Cabul, cap. ⊙ of Afghanistan, on ⚓ K., 6,400 feet above sea; *ca.* 60,000 inh. ♔, Bala-Hissar (=Palace of Kings).

Kadapa, *v.* Cuddapah.

Kadi, *v.* Cadi.

Kadur, distr. of Mysore, B. Ind.; 2,294 s.m., 335,000 inh.

Kaffa, or Gomara, tracts of

country to S. of Abyssinia; home of coffee plant. Chief ⊙, Bonga.

Kaffraria, country of the Kaffirs, S. Africa. Brit. K. is name formly. given to the part of C. Colony now called King Wm.'s Land & East London distrs.; 3,006 s.m., 123,000 inh. (12,800 Europeans); annexed to Cape C. 1865. K. now implies territories S.W. of ⅄ Kei; 14,230 s.m., 260,000 inh.; annexed to Cape C. 1877–85.

Kafiristan, country N. of Afgh.; *ca.* 7,500 s.m.

Kai-anians, 6th Pers. dynasty, B.C. 660–331.

Kai-bako, Japanese game of matching bivalve shells.

Kaihoku Yusho, Japanese ☻, * 1533, † 1615.

Kainite, ⊕, mineral compd. of comn. salt with sulphts. of potass., magnesm., & sodium: pieromerite.

Kaira, distr. of Guzerat, Brit. India; 1,561 s.m., 755,000 inh. Chief ⊙, K.

Kairwan, sacred ⊙ of Tunis; 15,000 inh.

Kaisaryah, *v.* Cæsarea.

Kaiser, Germ. = Cæsar.

Kaiser, Fried., ⊙ ⁄, * 3/4 1814 Biberach, † 6/11 74 Vienna.

Kaiserslautern, Bav. ⊙; 27,000 inh.: ⚔s 28–30/11 1793 & 23/5 1794.

Kakapo, ornith., the owl-parrot, *strigops habroptilus*, N. Zealand.

Kakiyemon (of Hizen), great Japanese china ☻, 17th cent.

Kaladgi, district of Bombay, Brit. India; 5,696 s.m., 820,000 inh.

Kalahari, desert of S. Africa.

Kaleda, Sclav. myth., god of peace.

Kaleidoscope, optical toy for producg. var. geom. forms & colrs.; invented by Sir David Brewster.

Kalewala, Finnish nation. epic, edit. 1835 by Lönnrot.

Kali, Hindu myth., goddess, w. of Siva, worshipd. chfly. in Bengal.

Kalidasa, Ind. poet. ⁄ of 3rd century B.C. "Sakuntala," "Vikramorvasi," "Meghadûta."

Kalisch, 1] Lud., satir. & misc. ⁄, * 7/9 1814, † 4/3 82. **2]** Dav., ☻ & humor. ⁄, * 23/2 1820 Berlin; fnded. *Kladderadatsch* 48, † 21/8 72.

Kalliwoda, J. W., ♛ & violin., * 21/3 1800 Prague, † 3/12 66 Carlsruhe.

Kalmucks, or Calmucks, branch of Mongol race, orig. from Tibet, but spread over large part of Asia.

Kálnoky, Count Gustav, Austro-Hung. For. Min. since 1881, * 29/12 32 Lettowitz.

Kalong, zool., Javanese name for gen. of bats called *pteropus*.

Kâma, Hindu myth., god of love.

Kameke, G. A. K. v., Pruss. genl., * 14/6 1817; Min. of War 73.

Kames, Hy. Home, Lord, Scot. ⚒, ⚖, & ⁄ ⁄, * 1696 Kames; Lord Justiciary 73, † 1782.

Kamptulicon, compd. of powd. cork & india-rubber; painted, used as substitute for carpets

Kamrup, distr. of Assam, Brit. India; 3,631 s.m., 562,000 inh. Chf. ⊙, Gauhati.

Kamsin, *v.* Chamsin.

Kamtschatka, Russ. peninsula of E. Asia, part of E. Siberia; *ca.* 237,000 s.m., *ca.* 6,000 inh.; ⛰ from N. to S., with 12 active & 26 extinct volcanoes, former includg. Klyutchevskaya Sopka (15,040 ft.). Chf. ⊙, Petropavlovski; 600 inh.

Kanara, or Canara. *North:* distr. of Bombay, Brit. Ind.; 4,235 s.m., 400,000 inh. Chf. ⊙ & port, Karwar. *South:* distr. of Madras, Brit. Ind.; 3,902 s.m., 920,000 inh. Chf. ⊙, Bangalore.

Kanaris, Const., Grk. statesm. & admrl., * 1785; deftd. Turks off Chios 1822, Premier 77, † 15/9 77.

Kandahar, or Candahar, Afgh. ⊙, 318 m. S.W. of Kabul; 15,000 inh. Made cap. of A. by Ahmed Shah 1747–8, & remnd. so for *ca.* 30 years.

Kandy, ⊙, Ceylon; 18,000 inh.

Kane, 1] Elisha Kent, Amer. explr. & ⁄, * 3/2 1820 Philadelphia; to Asia, Afr., & Arctic Regns. 50 & 53, † 16/2 57 Havana. **2]** Sir Robt., ☤ & ⁄, * 1810 Dublin.

Kangaroo (corrup. of *bundaary*, native name), zool., the gen. *macropus*, esp. *M. giganteus;* Austral.; 56 species.

Kangaroo Grass, ⚘, *anthistiria australis:* good fodder.

Kangaroo Island, on coast of S. Australia; 1,970 s.m.

Kangra, distr. of British Ind.; 8,988 s.m., 743,882 inh. Chief ⊙, Dharmsala.

Kansas, *one of U.S.A.*; admitted to Union 1861; 81,318 s.m., 1,500,000 inh. Chief ⊙, Topeka.

Kansas City, ⊙ of Missouri, U.S.; 60,000 inh.

Kant, Immanuel. Germ. ♗ of Scot. descent (Cant), * 22/4 1724 Konigsberg; prof. of logic & metaphys. there 70, † 12/2 1804. ✓ "Critique of Pure Reason" 1781.

Kaolin, China clay, named from Kau-ling, hill in China.

Karachi, or Kurrachee, distr. of Sind, Brit. Ind.; 14,091 s.m., 425,000 inh. Chf. ⊙, K., nr. most W. mouth of ⚓ Indus; 60,000 inh.

Karadjich, W. S., Serv. poet. & misc. ✓, * 26/10 1787, † 7/2 1864 Vienna.

Karageorgievitch of Servia, r. Alexander **10**.

Karamzin, N. M., Russ. ♛, nov., & poet. ✓, * 12/2 1765, † 25/5 1826 Zarskoe-Selo. "♛ of Russ. Emp."

Karatheodori, Alex., Pasha, Turk. statesm., of Grk. orig., * *ca.* 1820; represtd. Porte at Cong. of Berlin, For. Min. 78, governor of Crete.

Karauli, nat. State of Rajputana, Ind.; 1,260 s.m., 140,000 inh.

Karikal, Fr. ⊙ & settlement in Madras prov.; 52 s.m., 93,000 inh.

Karl, *v.* Charles.

Karmarsch, K., ⚙ technol. ✓, * 17/10 1803 Vienna, † 24/3 79.

Karnal, distr. of Delhi, B. Ind.; 2,351 s.m., 612,000 inh. Ch. ⊙, K.

Karnatic, *v.* Carnatic.

Karnul, distr. of Madras, B. Ind.; 7,151 s.m., 920,000 inh. Ch. ⊙, K.

Karr, J. B. Alphonse, Fr. rom. & journ. ✓, * 1808 Paris

Kars, ⊙ of Asiatic Russ., on ⚓ Arpar; ceded by Turk. to Russ. 1878; in 1855 held for 6 months by small Brit. garrison und. Sir F. Williams, capitd. 12/12 55.

Karsch, Anna L., Germ. poetess, * 1/12 1722 nr. Schwiebus, † 12/10 91 Berlin.

Karslake, Sir John Burgess, ⚖, * 1821; Q.C. 61, Sol.-Genl. 66, Att.-Genl. 74, † 4/10 81.

Karsten, Gust., nat. ♗, * 24/11 1820 Berlin, prof. at Kiel. ✓.

Kasan, or Kazan, govt. of Russ.; 25,000 s.m., 1,700,000 inh. Chf. ⊙, K. ⊙.

Kashgar, ⊙ & ⊕ of E. Turkestan, on ⚓ K.; now Chinese; 50,000 inh.

Kashmir, nat. State of N. Ind., adjoining Panjab; 79,784 s.m., 1,600,000 inh.; und. Brit. protection 1846. Chief ⊙, Jamu.

Kate, Herm. ten, Dutch ⚉, * 16/2 1822 Hague.

Kathay = China. *v.* Cathay.

Katkoff, Mich. N., Russ. journ. & ♗ ✓, * 1/11 1818 Moscow; edtr. of *Moscow Gazette*, † 1/8 87.

Katrine, Loch, co. Perth, Scot.; 10 m. long, widest part 2 m.

Kattywar, or Kathiawar, grp. of 188 nat. States, forming penins. of K. or Guzerat, Bombay; 2,500,000 inh.; 96 States trib. to Brit.

Kauffmann, Angelica, ♛ & port. ⚉, * 30/10 1741 Chur, Switz.; in Eng. 66–81 & memb. of R. Acad.; m. Zucchi, Venet. ⚉, 81, † 5/11 1807 Rome.

Kaufmann, Constantine, Russ. genl., * 1818 Maidani; govr. of Lithuania 63, of Turkestan 67–82, annexed Bokhara, Khiva, Khokand, † 10/5 82 Moscow.

Kaulbach, **1]** Wm., Germ. ⚉, * 15/10 1805 Arolsen, † 7/4 74 Munich. **2]** His s., Herm., ♛ ⚉, * 26/6 1846. **3]** Neph. of **1**, Fried., ⚉, * 1822 Arolsen. **4]** His s., F. Aug. K., ⚉, * 2/6 1850 Hanover.

Kaulbars, Baron Nich., Russ. genl. & agitator, * *ca.* 1845; Russ. agent at Sofia 86.

Kauri (or Kowrie) **pine,** ⚘, N. Zealand pine, *dammaris australis*

Kavanagh, Julia, nov., * 8/1 1824 Thurles, † 28/10 77 Nice.

Kay, 1] John, Eng. /, † ca. 1506. 2] Thos., Eng. /, † 1572.

Kaye, John Wm., K.C.S.I., ♛ /, * 1814; founded *Calcutta Review*, † 24/7 76. "War in Afghan.," "Sepoy War," "E. I. Co.," &c.

Kazinczy, F., Hung. /, * 1759, † 1831.

Kea, *v.* Cang.

Keach, Benj., Bapt. † /, * 1640, † 1704.

Kean, 1] Edmund, trag. ◐, * 4/11 1787 London, † 15/5 1833 Richmond. 2] Chas. John, s. of 1, ◐, * 18/1 1811 Waterford, † 22/1 68 London. 3] Ellen, *née* Tree, ◐, * 1805; m. 2 43, † 20/8 80.

Keane, John, Ld. K. of Ghuznee, ⚔, * 1781; comdr.-in-chief in Bombay 33–38, on N. W. frontr. 38, captd. Ghuznee 20/7 39, † 44.

Keary, Annie, Irish nov. & misc. /, * 1825, † 79.

Kearney, P., Amer. genl., * 1815, † 63 in ⚔.

Keate, Geo., F.R.S., poet. & misc. /, * 1729 Trowbridge, † 97.

Keating, 1] Sir H. S., ⚖, * 1804; Q.C. 49, Sol.-Genl. 57 & 59, Judge of Com. Pleas 59–75, † 3/10 88. 2] Geoffry, Irish † & poet, † 1650.

Keats, 1] John, poet. /, * 29/10 1795 London, † 24/2 1821 Rome. "Endymion" 18, "Eve of St. Agnes," odes to "Nightingale" & "Grecian Urn," "Hyperion" 20. 2] Sir R. Goodwin, ⚓ offr., * 1757 Chalton; govr. of Newfoundland 1813, † 34.

Keble, John, † & poet. /, * 25/4 1792 Fairford; prof. of poetry Oxford 1831, † 29/3 66 Bournemouth. "Christian Year" 27.

Keeley, 1] Robt., com. ◐, * 1793, 3/2 † 69. 2] His w., *née* Goward, ♪, 1806 Ipswich; m. 25.

Keeper of the Great Seal, *v.* Chancellor.

Keeper of Privy Seal (or Ld. P.S.), a memb. of Brit. Cabinet thro' whose hands pardons, charters, &c., pass to Lord Chancellor. Origin lly called Clerk of P. S.

Keightley, Thos., ♛ & misc. /, * 1789 Dublin, † 4/11 1872.

Keim, Th., †, * 17/12 1825 Stuttgart, † 84. / "Life of Jesus."

Keiser, R., ♪, * 1673 nr. Weissenfels, † 12/9 1739 Copenhagen.

Keith, 1] Geo. Elphinstone, Visct., ⚓ offr., * 1746; captd. C. of G. Hope 95, † 1823. 2] Geo., † /, † ca. 1715. 3] Robt., † /, bp. of Caithness & Orkney, * 1661, † 1757. 4] Geo., Earl Marischal; fndr. of Maris. Coll., Aberdeen, † 1623. 5] Geo., Earl Marischal, Jacobite ⚔ offr., afterwds. in serv. of Fredk. Grt., * 2/4 1693, † 25/5 1778 Potsdam. 6] Jas., bro. of 5, Jacobite ⚔ offr., in Russ. & Pruss. serv., * 11/6 1696, † 14/10 1758 Hochkirchen. 7] Pat., Scot. ✉ /, * 1769, † 1840. 8] Sir R. Murray, ⚔ offr., † 1795.

Kekewich, Sir A., ⚖, * 26/7 1832; Q.C. 77, Judge of Chanc. Divsn. of High Court 86.

Kekulé, F. A., ⚗, * 7/9 1829. /.

Keller, 1] Jos., etcher, * 31/3 1811 Linz, † 30/5 73 Düsseldorf. 2] Ferd., ♛⚙, * 5/8 1842; dir. of Acad., Carlsruhe.

Kellermann, 1] Franc. Christ., Fr. genl., * 28/5 1735; duc de Valmy & marsh. 1804, † 12/7 20. 2] His s., Franc. Étienne, 2nd D. de V., Fr. genl., * 1770, † 1835.

Kelley (or Talbot), Edwd., astrol. & alchem., * 1555 Worcester, † 95.

Kellgren, J. H., Swed. lyr. / * 1 12 1751, † 20/4 95.

Kellison, Rom. C. † /, † 1641.

Kelly, 1] Sir Fitz-Roy, ⚖, * 1796; Q.C. 39, Sol.-Genl. 45, Attor.-Genl. 58, Chf. Baron of Excheq. 66, † 17/8 80. 2] Hugh, ◐ /, * 1739 Killarney, † 77. 3] John, † & Maux schol., * 1750 Douglas, † 1809 Copford. 4] Michael, ♪ composer & vocal., * 1762 Dublin, † 1826 Londn. 5] John, Amer. polit., chf. of Tammany Hall Democrats, * 1822 New York, † June 86.

Kelp, ✉, ash of burnt sea-weed, contg. carb. of soda, iodine, & bro-

Kemble, 1] John Philip, ☉ /, * 1/2 1757 Prescot, † 26/2 1823 Lausanne. 2] Sarah, *v.* Siddons. 3] Chas., bro. of 1, com. ☉, * 25/11 1775 Brecon; m. Maria Theresa de Camp (☉ & ☉ /), † 12/11 1854. 4] Frances Anna, ☉ & misc. /, dau. of 3, * 27/11 1811 London; m. Mr. Butler 33, divcd. 49. "Records of a Girlhood" 78, "R.s of a Later Life" 82, &c. 5] Adelaide, ☉ singer, dau. of 3, * 1820 Lond.; left stage on marriage 43, † 6/8 79. 6] John Mitchell, ♛ & philol. /, s. of 3, * 1807 London, † 26/3 57 Dublin. "Anglo-Saxons in England," &c.

Kemény, Sig., Bar., rom. /, * 1816 Transylvania, † 22/12 75.

Kemp, John, ✝ & statesman, * 1380 Kent; bp. of Rochester, Chichester, London, Chanc. & archbp. of York 1426, archbp. of Canterbury & cardinal 52, † 54.

Kempis, Thos. à (real name Hammerchen), ✝, * *ca.* 1380 Kempen; sub-prior of Monastery of St. Agnes, nr. Zwolle, † 1471. Reputed / of "De Imitatione Christi."

Ken, Thos., ✝, * 1637 Berkhampstead; bp. of Bath & Wells by Chas. II., one of the 7 bps., † 19/3 1711 Longleat.

Kendal, 1] Margaret, *née* Robertson, ☉, * 15/3 1848 Great Grimsby; joined stage 52, married 2 69.

2] Wm. Hunter (Grimston), ☉, * 1843.

Kennedy, 1] Benj. Hall, D.D., ✝ & schol., * 1804; Regius Prof. of Grk. at Camb. & Canon of Ely 67, educatul. /. 2] Grace, Scot. /, * 1782, † 1825 Edinb. 3] Jas., Scot. ✝, * 1405, † 66. 4] John, math., & ✝ /, * 1700, † 70.

Kennet, 1] Basil, Ψ /, * 1674 Postling, † 1715 Oxford. 2] His bro., White, ✝ & misc. /, * 1660 Dover; bp. of Peterboro' 1718, † 28.

Kenneth, 1] Macalpin, k. of Scot., † 859. 2] III. of Scotl., son of Malcolm I., † 994.

Kenney, Jas., Irish ☉ /, * 1780, † 1849.

Kennicott, Benj., ✝, * 4/4 1718 Totnes, † 18/9 83 Oxford. Ed. Hebr. Bible.

Kenrick, Wm., misc. /, * 1720 Waterford, † 79.

Kensington, parlt. bor. of W. Lond.; 163,000 inh.; rets. 2 M.P.s., N. & S.

Kent, ⚓ co. of S.E. Eng.; 1,576 s.m., 980,000 inh.; rets. 8 M.P.s: Mid (Medway), N.E. (Faversham), N.W. (Dartford), S. (Ashford), S.W. (Tunbridge), E. (St. Augustine's), W. (Sevenoaks), Thanet. Chf. ⊙, Maidstone.

Kent, Edwd. Aug., duke of, 4th s. of Geo. III., & fath. of Q. Vict., * 2/11 1767; m. 29/5 1818 Maria Louisa Vict., yngst. child of duke of Saxe-Coburg, † 23/1 20 Sidmouth.

Kent, 1] Jas., ⚖, * 1700 Winchester, † 76. 2] Jas., ⚖, * 1763 N. York, † 1847. / "Commentaries on Amer. ⚖" 26–30. 3] W. C. M., poet. & misc. /, * 3/11 1823 Lond.

Kent, Holy Maid of, Eliz. Barton, executed for prophesyg. + of Hy. VIII. on marr. with A. Boleyn.

Kentish Rag, ⚒, thin bed of clayey limestone in Upper Neocomian series.

Kentucky, one of U.S.A.; separated fr. Virginia 1789, admitted to Union 92; 40,400 s.m., 1,750,000 inh. Cap. ⊙, Frankfort.

Kenyon, 1] Lloyd, Lord, ⚖, * 1732; Chf. J. of K.'s Bench 88, † 1802. 2] John, poet. /, * 1783, † 1856.

Kenzan, Jap. ☕ & potter, bro. of Korin, * 1663 Kioto, † 1743 Yedo.

Kepler, J., ♓, * 27/12 1571 Weil; disco. "K.'s Laws" of movements of planets, † 15/11 1630 Regensberg.

Keppel, Aug., Visct., adml., * 1725, † 86.

Kerguelen Island, or Isle of Desolation, in Ind. Ocean, discvrd. by K., Fr. navigator, 12/2 1772; *ca.* 2,000 s.m., uninhabited.

Kermadec Islands, S. Pacific, betw. Fiji & N. Zealand; 21 s.m.; annexed by Brit. 1/8 1886.

Kermes, or Kermesite, ⚒ & ?,

compound of oxide & sulphide of antimony; red: in Cent. Europe.

Kermes, scarlet dye formd. by insect wh. lives on *quercus coccifera*.

Kerner, 1] Justin, Germ. rom. & poet. ✓, * 18/9 1786, † 21/2 1862. 2] His s., Theob., poet. ✓, * 14/6 1817 Gaildorf.

Ker-Porter, Sir R., ● & travlr., * 1780 Durham, † 1842 St. Petersb.

Kerr, 1] Orpheus C. (Office-seeker), pseud. of R. H. Newell. 2] Robt., Scot. ♛ & scient. ✓, * 1755, † 1814.

Kerry, ⚓ co. of Munster, Irlnd.; 1,853 s.m., 200,000 inh.; rets. 4 M.P.s: N., S., E. (Killarney), W. Chf ⊙, Tralee.

Kersey, coarse cloth of wool.

Kerseymere (corruptn. of Cassimere = Kashmir), superfine cloth formerly largely made in W. of Eng.

Kesho, *v.* Cachao.

Kestrel, ornith., *cerchneis tinnunculus*.

Ketch, Jack, *v.* Jack Ketch.

Kett, 1] Hy., † & misc. ✓, * 1761 Norwich, † 1825 Stanwell. 2] Robt., tanner of Wymondham, who led insur. of 1549, execd. Norwich.

Kettledrum, *v.* Drum.

Kettlewell, John, † ✓, * 1653 Northallerton, † 95 London.

Keudell, Robt. von, Germ. dipl., * 27/2 1824 Königsberg; amb. to Turk. 71, to Rome 76.

Kew, villg. Surrey: Royal Bot. Gardens formed 1750–60, opened free 1841.

Key, 𝄞, 1] or Clef, sign placed at beginng. of stave to show pitch of notes. 2] Starting-point of definite series of sounds forming a scale. Normal K., C, in which are no sharps or flats.

Key, Sir Astley Cooper, ⚓ offr., * 1821; in Baltic during Crim. War, took Canton 58, vice-adml. 73, admiral 78, Senr. Nav. Ld. of Admlty. 79, † 3/3 88.

Keys, Power of the, †, the authty. belvd. by R. Caths. to be vested in the Pope as St. Peter's successor.

Keyser, 1] T. de, ●, * *ca.* 1595, † *ca.* 1679 Amsterdam. 2] N. de, ♛●, † 26/8 1813 Antwerp. 3] Polydore de, Ld. Mayor of London * Belgium, elect. Nov. 1887, kt. 88.

Keystone, ▲, central stone of an arch.

Key West, island of U.S.A., 6 m. long; 3,000 inh.; ⚓ station; 1 of islands called Florida Keys, between Cuba & Florida.

Khairpur, native State of Sind, Ind.; 6,109 s.m., 132,000 inh. Chf. ⊙, K.

Khalif, or Caliph, the Mahom. sovereign & nom. head of Mahom relig.: title now assmd. by Sultan of Turkey & by Sufi of Persia as claiming to succ. Mahomet. The first K. was Abubekr.

Khan, among Tartars, a king or prince; in Persia, govr. of a prov.

Khan, Caravanseral (*q.v.*).

Khandesh, district of Bombay, Brit. India; annexed 1818; 10,162 s.m., 1,050,000 inh. Chf. ⊙, Dhulian.

Kharkov, ⊙ of Europ. Russia, capital of govt. of same name; 105,000 inh.; bpric., univ.

Khartoum, chf. ⊙ of Nubia, a confl. of Blue & White Nile ⚓s; formerly seat of govt. for whole of Egyptian Soudan, held by Genl. Gordon for 337 days in 1884–5 agst. Mahdi, fell by treachery 26/1 85.

Khasi & Jaintia Hills, distr. of Assam, Brit. Ind.; 6,157 s.m., 145,000 inh. Chf. ⊙, Shillong.

Khedive, Turk. title (= king) conferd. 14/5 1867 on ruler of Egypt.

Khelat, *v.* Beluchistan.

Kherson, or Cherson, ♛ ⊙ of Europ. Russ., cap. of govt. of same name, on Black Sea; 130,000 inh.

Khevi, distr. of Oudh, Brit. Ind.; 2,963 s.m., 745,000 inh. Chief ⊙, Lakhimpur.

Khiva, Russ. vassal State in W. Turkestan; 22,320 s.m., *ca.* 700,000 inh.; conquered 1873. Chief ⊙, K.; 6,000 inh. Khan, Seid Mehemed Rehim, suc. 1868.

Khokand, formerly Khanate of Turkestan, annexed by Russ. 1876; 29,650 s.m., *ca.* 800,000 inh. Cap.

⊙, K., on ⚓ Syr-Daria (ancient Jaxartes); *ca.* 60,000 inh.

Khosru, or Chosroës, 1] I., Nashirwan, Pers. king; succ. 531, deftd. by Roms. 578, † 579. 2] His grandson, II. ("the Generous"), suc. 590, deftd. Roms., but conqrd. 627, & soon aft. assass.

Khyber Pass, fr. Peshawar into Afghanistan; 33 m.

Ki or **Kei Islands,** E. Archipel., S.W. of New Guinea; 10,000 inh.

Kidd, 1] John, scientist, * 1775, † 1851. ✓. 2] Saml., missnry. & Chinese scholar, * 1801 Hull, † 43 London. 3] Wm., pirate, * *ca.* 1660 Greenock; cruised agst. pirates 96–98, became one, hanged 99 London.

Kidder, R., † ✓, * *ca.* 1630; bp. of Bath & Wells 91, † 1703 Wells.

Kidderminster, ⊙ Worcestersh., on ⚓ Stour; 25,700 inh.; rets. 1 M.P.

Kidney Bean, *v.* Phaseolus.

Kidneys, *v.* Urinary Organs.

Kief, or Kiev, ⊙ of Eur. Russ., on ⚓ Dnieper; 130,000 inh.; in 11th & 12th cents. cap. of Muscov. Emp.

Kiel, ⚓ & ⚓ ⊙ of Pruss., on Baltic; *ca.* 45,000 inh.; cap. of Schleswig-Holstein; univ. founded 1665.

Kiel, Fried., ✠ & compr., * 7/10 1821; prof. at Berlin.

Kiepert, Hein., Germ. explorer & ⊕, * 31/7 1818 Berlin; many maps & atlases.

Kierkegaarde, Sören, Danish crit. ✓, * 1813 Copenhagen, † there 11/11 55.

Kiffen, Wm., † ✓, * 1616, † 1701.

Kikymora, Sclav., god of night.

Kilburne, Richd., topog. ✓, * 1606, † 78.

Kilbye, R., † ✓, † 1617.

Kildare, ✓ co. of Leinster, Irlnd.; 654 s.m., 76,000 inh.; returns 2 M.P.s, N. & S. Cap. ⊙, Naas.

Kilderkin, Eng. liq. meas. = 3rd pt. of a hogshead = 18 gallons.

Kilia, most N. mth. of Danube.

Kilian, St., native of Irlnd., bp. of Würzburg 687, martyred 709.

Kilkenny, co. of Leinster, Ireland; 796 s.m., 100,000 inh.; rets. 2 M.P.s, N. & S. Cap. ⊙, K.; 15,000 inh.; rets. 1 M.P.

Killigrew, 1] Sir Wm., ✓, * 1605 Hanworth, † 95. 2] His bro., Thos., ✓, * 1611 Hanworth, † 82 Whitehall. 3] His bro., Hy., † & ✓, * 1612 Hanworth, † *ca.* 86.

Killarney, Lakes of, 3 lakes close to ⊙ of K., co. Kerry, Irlnd.; largest, Lower L., *ca.* 5,000 acres.

Killiecrankie, pass in co. Perth, Scot., celebrated for scenery; ✕ 27/7 1689.

Kilmainham Treaty, name applied to terms under which Mr. Parnell was released from K. Gaol, Irlnd., 2/5 1882, aft. imprisonment under Coercion Act of 80.

Kilmarnock, ⊙ of Ayr, Scot., on ⚓ Ayr; 25,000 inh.; district rets. 1 M.P.

Kilo = 1,000. Kilometre, 1,000 metres; kilogram., 1,000 grammes.

Kilwarden, A. Wolfe, Ld., Irish ⚖, * 1739 Kildare: Sol.-Genl. 87, Atty.-Genl. 89, Chf. Just. of King's Bench in Irlnd. 98, killed by rebels 23/7 1803 Dublin.

Kimber, 1] Isaac, Nonconf. † ✓, * 1692, † 1758. 2] His s., Edwd., ✓, † 1769.

Kimberley, John Wodehouse, 1st earl, * 7/1 1826; succ. as Bar. Wodehouse 46, For. Und. Sec. 52–6, 59–61, am. to Russ. 56–58, mission to N. Europe 63, Ld.-Lieut. of Irlnd. 64–6, earl 66, Privy Seal 68–70, Col. Sec. 70–4, 80–2, Chanc. of Duchy of Lanc. 82, Sec. for Ind. 82–5, 86.

Kimberley, 1] distr. in N. pt. of W. Australia; gold. 2] Cap. ⊙ of prov. of Griqualand West, S. Afr.; 14,000 inh.; diamonds.

Kimmeridge Clay, ⚒, bed of bituminous shale, lowest of Upp. Oolitic rocks; marine fossils.

Kincardineshire, marit. co. of E. Scot.; 387 s.m., 35,000 inh.; rets. 1 M.P. Chief ⊙, Stonehaven.

Kind, J. F., poet & nov., * 4/3 1768 Leipzig; ✓ text of Weber's *Freischütz*, † 25/6 1843 Dresden.

Kindergarten (Germ. = children's garden), a system devised by

F. W. Frobel for making educatn. attractive by toys, games, singing, &c.; introd. to Eng. 1851 by J. Ronge. F. Soc. founded 74 London.

Kindersley, Sir R. T., ⚖, * 5/10 1792 Madras; Mastr. in Chanc 1849, Vice-Chanc. 51, † 22/10 79.

Kinematics, Kinetics, *v.* Dynamics.

King, 1] Edwd., subject of Milton's "Lycidas," * 1612, drowned 10/8 37. 2] John, †, * 1559 Wornal; bp. of Lond. 1611, † 21. 3] Henry, *s. of* 2, † & ✓, * 1591 Wornal; bp. of Chichester 1641, † 69. 4] Peter, ⚖ & misc. ✓, * 1669 Exeter; Lord Chanc. & Baron of Ockham 1725, † 34 Ockham. 5] Peter, great-grandson of 4, 7th Lord Ockham, polit. & ✓, * 1775, † 1833. "Life of John Locke." 6] Sir R., ⚓ offr., * 1771 Dorsetshire, † 1834 Sheerness. 7] Rufus, Amer. statesman & diplom., * 1755 Maine, † 1827. 8] Thos., ☉ & ☉ ✓, * 1730 London, † 1805. 9] Wm., misc. ✓, * 1663 London, † 1712. 10] Edwd., Ψ ✓, * 1735, † 1807. 11] John, † ✓, * 1652, † 95. 12] Richd., †, * 1749, † 1810. 13] R. J., ▲ & topog. ✓, * 1811, † 79. 14] Wm., D.D., † ✓, * 1650; archbp. Dublin, † 1729.

King (or Queen), in Eng. the head of the State, who exercises supreme executive authority und. advice of Cabinet, & shares legislat. authority w. Parlt. Legal title rests on 12 & 13 Wm. III., cap. 3, settling succession, at death of Wm. & Anne without issue, on Princess. Sophia of Hanover & "the heirs of her body, being Protestants." Head of Estabd. Church & of all tribunals.

King-at-Arms, *v.* Heralds' College

King (or Lord, or Abbot) **of Misrule,** an offr at Oxf & Camb. Univs. in pre-Ref. days who superintend. Xmas & Candlemas sports.

King Crab, the gen. *limulus*, of ord. *crustacea*, found chiefly on coasts of Amer. & Moluccas.

King of Rome, *v.* Nap. II.

King Log, a k. who never makes his power felt; allusion to fable of frogs asking for a K. from Jupiter, who threw a log to them.

King Stork, a tyrannical monarch; allusion to fable of frogs desiring a K.

King's (or Queen's) **Bench,** Court of, *v.* High Court of Justice.

King's (or Queen's) **Counsel,** *v.* Barrister.

King's Evil=scrofula; so called from the belief that it could be cured by royal touch.

King's (or Queen's) **Proctor,** legal representative of Crown in Probate & Divorce Courts.

King's County, Leinster, Irlnd.; 772 s.m., 72,000 inh.; rets 2 M.P.s: Tullamore & Birr divs. Chief ⊙, Parsonstown.

King's Lynn, or Lynn Regis, ⊙ of Norfolk, formerly called Bishop's Lynn, name changed by Hy. VIII.; 18,500 inh.; rets 1 M.P.

King-maker, *v.* Warwick.

Kingfisher, ornith., a large fam. (*alcedinidæ* or *halcyonidæ*), ord. *picariæ; ca.* 130 specs., divided into 2 sub-fams.: fish-eating (*alcedininæ*) & omnivorous (*dacelininæ*); Brit. species is *alcedo ispida*.

Kinglake, Alex. Wm., ♛ & misc. ✓, * 1811 Taunton; to Crimea 54, "Eothen" 44, "♛ of War in Crimea" 63–87.

Kingsborough, E., Viscount, Ψ, * 1795, † 1837.

Kingsdown, Thos. P. Leigh, Lord, ⚖, * 1793, † 1867.

Kingsley, 1] Chas., †, nov., poet, & misc. ✓, * 12/6 1819 Holne; rector of Eversley 46, prof. of Mod. ♛ Camb. 59, canon of Chester 69, of Westminster 73, † 23/1 75 Eversley. "Saint's Tragedy" 46, "Yeast" 48, "Alton Locke" 50, "Phaeton" 52, "Hypatia" 53, "Westward Ho!" 55, "Two Years Ago" 57, "Hereward" 66, "At Last" 71, "Prose Idylls" 73, &c. 2] Hy., bro. of 1, nov. ✓, * 1830, † 23/5 76. "Geoffrey Hamlyn" 59, "Ravenshoe" 61, &c.

Kingston, Wm. Henry Giles, ✓ of stories for boys, * 1814, † 80.

Kingston, cap. ⊙ Jamaica; 35,000 inh.; harbour; bpric. 1856; fire 11/12 82.

Kingston-upon-Hull, *v.* Hull.

Kingstown, ⚓ ⊙ of co. Dublin, Irlnd.; 18,500 inh.

Kinkajou, zool., the gen. *cercoleptes*, w. prehensile tails; N. Amer.

Kinkel, J. G., Germ. revol. poet. & crit. ✓, * 11/8 1815 Obercassel, † 14/11 82 Zurich.

Kino, ⚗ & ✓, a spec. of gum, esp. fr. *butea frondosa*; astringent.

Kinross-shire, co. of Scot.; 77 s.m., 6,800 inh.; woody. Chief ⊂, Kinross.

Kintyre, *v.* Cantire.

Kippis, A., Nonconf. † & ✓, * 1725 Nottingham, † 95. Ed. 2nd edit. "Biog. Britann."

Kirby, Wm., entom., * 1759 Suffolk; rector of Barhams, † 1850. ✓ "British Bees" 52, "Introd. to Entom." (with Spence) 15–26.

Kirchhoff, Gust. Robt., ⚗, * 12/3 1824 Konigsberg; discovd. w. Bunsen spectral analysis, † 17/10 87.

Kirkcaldy, ⊙ of Fife, Scot.; 15,058 inh.; with other burghs rets. 1 M.P.

Kirkcudbrightshire, marit. co. of W. Scot.; 953 s.m., 42,500 inh.; rets. 1 M.P. Chief ⊙, Kirkcudbright.

Kirkwall, chief ⊙ of Orkneys, Scot.; 4,000 inh.; fishing & ✓.

Kirwan, 1] R., F.R.S., ⚗ & ⊕, * 1733 Galway, † 1812. 2] W. B., ☘ & †, * 1754 Galway, † 1805.

Kischeneff, cap. ⊙ of Bessarabia; 105,000 inh.; acquired by Russ. 1812.

Kisfaludy, 1] Sandor, Hung. poet. ✓, * 22/9 1772, † 30/10 1844. 2] His bro., Karoly, ✆ & nov. ✓, * 6/2 1788, † 11/11 1830.

Kishangarh, nat. State of Rajputana, Ind.; 724 s.m., 105,000 inh. Chief ⊙, K.

Kishm, island in Pers. Gulf belonging to Muscat; 5,000 inh.

Kislev, or Chislev, 3rd month of Jewish year; pt. of Nov. & Dec.

Kismet=Fate, from Arab.

Kiss, Aug., ⚲, * 11/10 1802, † 65.

Kissingen, Bavar. ⊙; ♨ waters; 6,000 inh.

Kistna, or Krishna, distr. of Madras, Brit. Ind.; 8,036 s.m., 1,460,000 inh.; chf. ⊙s, Masulipatam & Gantur: named from ☽ K., flows 800 m. from W. Ghâts into Bay of Bengal.

Kit-Cat Club, ✓ & polit. (Whig), fnded. in Lond. *ca.* 1688: named aft. Christoph. (Kit) Cat, pastry-cook, in whose house it met. K.-C. portrait =a ¾-length portrait, Kneller havg. painted series of such portraits of members of Club.

Kitchener, 1] H. H., ⚔ offr. & ✆, * 1851; assisted in survey of Palestine, Cyprus, &c.; took part in Gordon relief expedtn. 2] Wm., ✓ & misc. ✓, * 1775, † 1827.

Kitchen Middens, Ψ (Dan. *Kjökkenmoddinges*), refuse-heaps or shell-mounds on coasts of Denmk., Gt. Brit., &c.; chiefly composed of shells of edible molluscs, marking sites of anct. villages; flint & bone implements fnd. in them; attribd. by Lubbock to early part of Neolithic Stone Age.

Kitchin, Geo. Wm., † & ✍, * 1827; Dean of Winchester & D.D. 83. ✓ ✍ of Fr. prev. to Revoln. 73–7, editor of Bacon, &c.

Kite, ornith., the gen. *milvus*, of *aquilinæ*. Common K., *M. ictinus*, now nearly extinct in Brit.

Kittiwake, ornith., a sea-gull, *larus tridactylus*.

Kitto, John, D.D., † ✓, * 4/12 1804 Plymouth, † 25/11 54 Cannstadt, Wurtemberg.

Kiwi Kiwi, *v.* Apteryx.

Klapka, Georg, Hung. genl., patr., & ✓, * 7/4 1820 Temeswar.

Klaproth, M. H., ⚗, * 1/12 1743 Wernigerode, † 1/1 1817 Berlin.

Kleber, J. B., Fr. genl., * 9/3 1753 Strasburg, murd. 14/6 1800 Egypt.

Klein, Bernhard, Germ. ♫ comp., * 1794, † 1832.

Kleist, 1] H. B. W. v., poet. & ✆ ✓, * 18/10 1777 Frankfort-on-Oder,

† by suic. (with Henriette Vogel) 21/11 1811 nr. Potsdam. 2] E. C. v., poet. ✓, * 7/3 1715 Zeblin, † Frankfort-on-Oder 24/8 59.

Klenze, L. v, Germ. △, * 27/2 1784 Bockenem, † 27/1 1864 Munich.

Klinger, F. M. v., poet. ✓, * 1752 Frankfort, † 25/2 1831 Petersburg.

Klopstock, Fried. Gottlieb, poet & ✆ ✓, * 2/7 1724 Quedlinbrg, † 14/3 1803 Hamburg. *Messias* 1748–71.

Kmety, Georg, Hung. revol. genl., * 1810; entered Turkish serv. as Ismail Pasha, † 65 London.

Knatchbull-Hugessen, Edwd. Hugessen, polit. & ✓ of children's books, * 1829; peer as Lord Brabourne 80.

Knaus, L., landscp. ●, * 10/10 1829 Wiesbaden.

Kneller, Godfrey, port. ●, * 1648 Lubeck; court ● to Chas. II., Jas. II., & Wm. III., ktd. by Wm., bart. by Geo. I., † 1723 London.

Kneph, myth., the Egypt. god Amenra = Grk. Ammon.

Knibb, Wm., Bapt. missionry., * 1803 Kettering, † 45 Jamaica.

Knight, 1] Chas., misc. ✓ & publisher, & pioneer of cheap ✓, * 1791 Windsor, † 9/3 73. 2] T. A., ✿, * 1758, † 1838 London. 3] H. Gally, △ ✓, * 1786, † 1846. 4] R. Payne, ✓ & Ψ, * 1750; beqthd collection worth £30,000 to Brit. Museum, † 1824. 5] Cornelia, ✓, * 1757, † 1837. 6] Saml., † ✓, * 1674, † 1746.

Knight, in Gt. Brit. a dignity next below bart., but not heredity.; at first exclusively ⚔. A K. uses prefix "Sir," his wife (by courtesy) "Lady." *v.* Orders

Knights of Labour, a polit. & social organisation of working men wh. orig. in U.S.A. 1869; upwards of 111,000 memba. in 1,610 lodges in U.S., besides those in Canada, &c.: boycottg. preferred to strikes.

Knighton, Hy., 15th cent. ✓.

Knolles, R., ✍ ✓, * 1540, † 1610.

Knot-grass, ✿, *polygonum aviculare.*

Knot, a ⚓ mile = 6,080 ft. = 10 cables.

Knott, Edw., † ✓, pseud. of Jesuit, Matt. Wilson.

Knout, a whip with knotted or weighted lash used in Russ. for punishment.

Knowles, 1] Jas. Sheridan, ✆ ✓, * 12/5 1784 Cork, † 30/11 1862 Torquay. *Brian Boroihme* 14, *Caius Gracchus* 15, *Virginius* (his best) 20, *Wm. Tell* 25, *Beggar's Dau. of Bethnal Green* 28, *Alfd. the Grt.* 31, *Hunchback* 32, *Wife* 33, *Daughter* 36, *Love Chase* 37, *Woman's Wit & Maid of Mariandorpt* 38, *Love* 39, *John of Procida* 40, *Old Maids* 41, *Rose of Aragon* 42, *Secretary* 43. Abandnd. ✆ & became preacher & † ✓. 2] Herbt., poet. ✓, * 1798, † 1817. 3] Thos., D.D., † ✓, * 1724, † 1802.

Know-nothings, a secret polit. assocn. in U.S.A., 1854–61, wh. opposed offices being held by others than native Amers.; members instructed to say "I don't know" when interrogated about assocn.

Knox, 1] John, †, Scot. reformr., * 1505 Gifford Gate; renounced R. Cath. *ca.* 43, to Calvin at Geneva 54, † 24/11 72 Edinburgh. ✓. 2] Vicesimus, † & misc. ✓, * 1752, † 1821. 3] Wm., poet. ✓, * 1789, † 1825.

Koala, zool., the gen. *phascolarctos*, esp. *P. cinereus*, the sloth of Australia.

Koch, 1] C. H. E., ✿ & scient. explr., * 6/6 1809 Weimar, † 25/5 79 Berlin. 2] Robt., ✿, * 1844 Klausthal; discovd. tubercular *bacillus* 82 & cholera germ 84.

Kock, C. Paul de, Fr. nov. ✓, * 21/5 1794 Passy, † 29/8 1871 Paris.

Kohat, district of Peshawar, Brit. India; 2,838 s.m., 148,000 inh.

Koh-i-Nûr (="mountain of light"), the finest diamond of the Brit. crown; found in Godavery, Deccan, 1550; surrend. to Eng. on annex. of Panjab 1849; orig. wt. 800 car., cut 186 c., re-cut 103¾ c.

Kohl, *v.* Alkohl.

Kolaba, distr. of Bombay, Brit. Ind.: 1,482 s.m., 355,000 inh. Chief ⊙, Alibagh.

Kolar, distr. of Mysore, Brit. Ind. 2,577 s.m., 620,000 inh. Chief ⊙, K.

Kolb, G. F., Bavar. statist. & misc. ✓, * 14/9 1808, † 15/5 84.

Kolbe, A. W. H., ♃, * 27/9 1818; prof. at Leipzig. ✓.

Kolemine, Alexandrina v., * 18/11 1853 in Russ.; mar. (1) Herr v. K. 21/2 73, (2) Louis, Grd. Dk. of Hesse, 30/4 84, divcd. 31/5 84, when took title of Cntess. Romrod.

Kolhapur, native State of Bombay, Ind.; 3,184 s.m., 805,000 inh.

Köln, *v.* Cologne.

Komaroff, Alex., Russ. genl., * 1830; commd. at ⚔ Penjdeh 30/3 85.

Kompert, Leop., Aust. novel ✓, * 15/5 1822, † 22/11 86.

König, 1] F., ⚙, * 17/4 1774 Eisleben; inventor of steam-press, † 17/1 1833. 2] H. J., rom. biog. & ✆ ✓, * 19/3 1790 Fulda, † 23/9 1869. 3] Robt., ed. & ✓, * 15/11 1828 Danzig; ed. of *Daheim* 64. 4] E. Aug., rom. ✓, * 22/8 1833 Barmen.

Königgrätz, ⊙ Bohemia; ⚔ 3/7 1866, Aust. deftd. by Pruss.; *ca.* 6,000 inh.

Königsberg, ⚙ & ⚓ ⊙, cap. of E. Pruss., on Pregel; 145,000 inh.; larger vessels stop at Pillau, 24 m. below; cathed. of 14th cent.; univ. fnded. 1554.

Königsmark, 1] J. C., Count, Swed. genl., * 1600; captd. Prague, † 68 Stockholm. 2] M. Aurora, Cntess., * 1670 Stade; mistr. of August II. of Poland, & moth. of Maurice de Saxe, † 18/2 1728 Quedlinburg. 3] Her bro., Philip Christoph, Count, * 1640; lover of wife of Geo. (later I. of Eng.), assd. 94 Hanover.

Konkan, div. of Bombay, Brit. Ind., comprising Bombay, N. Kanara, Kolaba, Ratnigiri, & Tanna distrs.; 18,580 s.m., 3,268,000 inh.

Konrad, *v.* Conrad.

Koodoo, zool., an antelope, *strepsiceros kudu*, of Afr.

Kooria Mooria Islands, S. coast of Arabia, belonging to Brit.

Kopeck, *v.* Copeck.

Koran, The, or Alkoran, Moham. Scriptures; *ca.* 610 by Mohammed, publd. *ca.* 634 by his father-in-law (Abu Bekr), & believed by faithful to have been dictated by angel Gabriel; translated into Eng. by Sale, 1734.

Korea, nat. State of Bengal, Ind.; 1,631 s.m., 22,000 inh.

Korin, great Jap. ⚙ & artist in lac, * 1661, † 1716.

Körner, Karl T., Germ. patr. & poet. ✓, * 23/9 1791 Dresden, † in ⚔ 26/6 1813.

Korsakoff, Alex., Russ. genl., * 24/8 1753, † 25/5 1840.

Kosciusko, Tadeusz, Pol. patr. & genl., * 12/2 1746 Siechnovice; commd. rising of 94 against Russ. & Pruss., prisnr. for 2 yrs., † 15/10 1817 Soleure.

Kosegarten, J. G. L., German oriental ✓, * 1792, † 1862.

Kossak, Ern., humor. ✓, * 4/8 1814, † 3/1 80 Berlin.

Kossuth, Louis, Hung. patriot, orator, & journ. ✓, * 21/4 1806 Tapio Bicske; Dictator in Revol. 49, fled to Turkey, to Eng. 51, to Turin, recogd. Aust. rule 84.

Köstlin, C. R., poet. ✓, * 29/1 1813 Tubingen, † there 14/9 56.

Kotah, nat. State of Rajputana, Ind.; 3,797 s.m., *ca.* 310,000 inh. Cap. ⊙, K.

Kotzebue, 1] A. F. F. von, Germ. ✆ ✓, * 3/5 1761 Weimar; assass. 23/3 1819 Mannheim by K. Sand. *Menschenhass und Reue*, &c. 2] His s., Otto v., ⚓ explr., * 1787 Reval, † 1846. 3] Alex. v., Russ. ♛ ⚙, * 9/6 1815.

Koumiss, fermntd. mares' milk, used as a beverage & medicinally by nomad tribes of Russ. & Tartary. Lately introduced into England.

Kowalewski, G., Russ. zool., * 7/11 1840. ✓.

Kraal, S. Afr., huts arranged in circle. (*Fr. corail* = coral-reef.)

Krakatoa, volc. ▲ on isle in Strait of Sunda; eruptn. 26/8 1883, 35,000 perished.

Kraken, a fabulous Norwegian sea-monster.

Krapotkine, 1] Prince Alex., Russ. ✓, † 86. 2] Prince Peter, Russ. Nihilist & scient. ✓, * 1825 Moscow; arrested 74, escaped to Switz. 76, imprisd. at Lyons 83–86, to Eng.

Krasszewski, J. J., rom. & ✆ ✓. * 26/7 1812 Warsaw, † 19/3 86.

Kraus, 1] Fried., ☻, * 27/5 1826. 2] F. X., Ψ, * 18/9 1840 Treves. ✓.

Krebs, Marie, pianist, * 5/12 1851 Dresden.

Krehl, L., oriental ✓, * 1826; Libr. of Leipzig Univ.

Kremer, A. v., statesm. & orient. ✓, * 13/5 1828 Vienna; Aust. Min. of Comm. 80–81.

Kremlin (Russ. *krem*=fortress), imperial palace at Moscow.

Kreutzer, or Kreuzer, 1] S. Germ. coin = *ca.* ½d. 2] Aust.-Hung. coin = ¼d.

Kreutzer, 1] R., Fr. ♥, * 16/11 1766 Versailles, † 16/1 1831 Geneva. 2] Conradin, Germ. ♥, * 22/11 1780 Messkirch, † 14/12 1849 Riga.

Kreyssig, Fried., crit. ✓, * 5/10 1818, † 20/12 79 Frankfort-on-Main. ✓ on Shakespeare.

Kriloff, I. A., ✓ of fables, * 1768 Moscow, † 1844 St. Petersburg.

Krishna, *v.* Vishnu.

Kronos, *v.* Saturn.

Krüger, S. J. P., Boer statesm., * *ca.* 1825; 1st Pres. of Boer Repub., re-elected for 5 yrs. 83.

Krummacher, 1] F. W., Germ. † ✓, * 1796, † 1868. 2] F. A., ✓, * 13/7 1768, † 14/4 1845.

Krupp, Alf., ☻, * 11/4 1812 Essen; invntr. of "K.'s steel," mnf. of guns, † 14/7 87.

Krusenstern, A. J. v., Russ. adm. & ⚓ explr., * 9/11 1770 Esthonia, † 24/8 1846 Ass.

Krusman, Ger. myth., Hercules.

Kuang-hsü, Emperor of China, son of Prince Chun, * 15/8 1871; suc. & name changed fr. Tsai T'ien 12/1 75.

Kublai (or Khubilai) **Khan,** grandson of Jenghis Khan, & Emp. of Mongols; overthrew Song dyn. in China, conquered Tibet, Pegu, Cochin-China, &c.; fndr. of 20th (Yen) Chin. dynasty, † 1294.

Kuch Behar, nat. State of Bengal, Ind.; 1,291 s.m., 534,000 inh. Cap. ⊙, K.

Kudos, Grk. = glory.

Kuenen, A., † ✓, * 1828 Haarlem; Hebr. prof. at Leyden.

Kufic, anct. Arab characters; from Kufa, Bagdad, where copyists abounded.

Kuhorn, M., *v.* Bucer.

Kumaun, div. of N.W. Provs., Brit. Ind., comprising distrs. of K. & Garwhal; 11,500 s.m., 750,000 inh.; distr. of K. 6,000 s.m., 435,000 inh. Chief ⊙, Almora.

Kurdestan, or Kurdistan, a country in W. Asia, formerly pt. of anct. Emp. of Assyria, now divd. betw. Turk. & Persia; *ca.* 100,000 s.m., 2,700,000 inh., chfly. Mohams.

Kurile Islands, between S. of Kamschatka & N. of Yezo; *ca.* 4,000 s.m.; ceded to Japan by Russ. 1875; ▲ous & volc.; inh. called Ainos.

Kurisches Haff, lagoon in E. Pruss. which receives ⅄ Niemen; length 28 m., greatest breadth 14 m.

Kurrachee, *v.* Karachi.

Kurz, 1] H., crit. ✓, * 28/4 1805 Paris, † 24/2 1873. 2] Herm., poet. ✓, * 30/11 1813, † 11/10 73.

Kutch, *v.* Cutch.

Kutusow, Mich., Russ. genl., * 16/9 1745; commd. at ⚔s Austerlitz & Borodino, † 28/4 1813.

Kuvera, Hindu god of riches.

Kuyp, *v.* Cuyp.

Kyd, Thos., Elizabethan ✆ ✓.

Kynaston, Sir F., poet. ✓, * 1587, † 1642.

Kyrie Eleison, Grk. = Lord have mercy.

Kyrle, John, philanth. celebrated by Pope as the "Man of Ross," * 1664, † 1754.

Kyrle Society, named from John Kyrle, a London association for elevat. lower classes by influences of natl. & artist. beauty.

L.

L, consonant, 12th let. of alph.; L = 50, $\bar{L}$ = 50,000; £ = *librum* or *libra* = pound or pounds; L. = *lire* or *livres*; L. = logarithm; LL.D. = *Legum Doctor* = Dr. of Laws; ♞, L = lithium.

Laaland, Dan. island in Baltic; 482 s.m., 90,000 inh.

Laar, Pieter van (Bamboccio), Dutch ☻, * 1613, † 75.

Labadists, ✝, sect of Dutch Prot. ascetics & mystics founded in 17th cent. by J. Labadie, Jesuit priest; dissolved early in 18th cent.

Labarum, standard adoptd. Constantine the Gt. after his conversn., & marked w. monogram of 1st 2 letters of Grk. name of Christ.

Labe, the Circe of the Arabians; appears in the "Arabian Nights."

Labiatæ, ❦, order of plants, chfly. herbs, incldg. many used for condiments. & cosmetics; flowers bilabiate (= two-lipped).

Labiche, Eugène Marin, Fr. ☾ ✓, * 5/5 1815 Paris; memb. French Academy 26/2/80, † 23/88.

Labitzky, Jos., ♛ comp., * 4/7 1802 Schönfeld, † 18/8 81 Carlsbad.

Lablache, Luigi, It. ☾ & bass singer, * 7/12 1794 Naples, † 23/1 1858.

Labouchère, 1] Rt. Hon. Hy., r. Taunton. 2] His neph., Henry, journ. ✓ & polit., * 1831; in diplom. service 54–64, contrib. to *D. News* "Letters of a Besieged Resident in Paris," fnded. *Truth* 77, M.P. 65, &c.

Labourers, Statute of, an Act passed 1349 to fix the wages of L.s.

Labrador, dependency of Newfoundland; 70,000 s.m., 6,000 inh., chiefly Esquimaux.

Labradorite, ◆, a feldspar; silicate of lime, soda, & alumina.

Labridæ, *v.* Wrasse.

La Bruyère, *v.* Bruyère.

Labuan, island in E. Archipel.; 81 s.m., 6,000 inh.; ceded to Gt. Brit. by Sultan of Brunei 1847.

Laburnum, ❦, *cytisus laburnum*: Scot. L., *C. alpinus*.

Labyrinthodon, palæontology, Owen's name for gen. of huge fossil reptiles, since raised into an ord.; so called fr. windgs. in cross-section of tooth.

Lac, resin wh. exudes from twigs of certain Ind. trees in consequence of perforations of insect *coccus lacca*: melted & filtered it forms shellac (*v.* Lacquer).

Lac, or Lakh, in E. Ind. 100,000; *e.g.*, a L. of rupees.

Lacaille, Nic. L., ✶, * 15/5 1713 Rumigny, † 21/3 62 Paris.

Laccadive Islands, Brit. group of 14,200 m. fr. S.W. coast of Ind.; 750 s.m., 14,000 inh.

Lace Bark Tree, ❦, *lagetta lintearia* of S. America; inner bark resembles coarse lace.

Lacedæmon, *v.* Sparta.

Lacépède, B. G. E., Count, zool., * 26/12 1756 Agen, † 6/10 1825 Epinay.

Lacerta (Lat. = lizard), ✶, small constellation due S. of Cepheus.

La Chaise, Franç. de, Jesuit ✝, * 25/8 1624 Aix; confess. to Louis XIV. 75, † 20/1 1703: cemetery in Paris named aft. him.

Lachambeaudie, P., ✓ of fables, * 16/12 1807, † 7/7 72.

Laches, ⚖, act of negligence whereby any one loses his rights.

Lachesis, 1] one of the Fates. 2] Zool., gen. of snakes, incl. rattlesnake & bushmaster.

La Chalotais, Louis René, Fr. ✓, opponent of Jesuits, * 1701, † 85.

La Chaussée, Pierre Cl. Niv. de, Fr. ☾ ✓, * 1692 Paris, † 14/8 54.

Lachmann, Karl, Germ. philol., * 4/3 1793 Brunswick, † 13/3 1851 Berlin.

Lacordaire, J. B. Henri, R.C. ✝, preacher, & ✓, * 1/2 1801; memb. of Fr. Acad. 60, † 61.

Lacquer, a varnish usually prepared by dissolvg. shellac in alcohol w. additn. of colourg. matter.

Lacrimoso, Ital., ♥ = tearfully.

Lacroix, Jean Paul ("Bibliophile Jacob"), art., ✍, & rom. ✓, * 27/2 1806 Paris, † 84.

Lactantius, Lucius C. F., † ✓, * 250, † 325.

Lactometer, instrument for testing quality of milk.

Lactucarium, ℞, juice of the lettuce, narcotic, subst. for opium.

Lacustrine Deposits, ⚒, deposits at bottom of lakes.

Lacy, Jno., ✆ & ✆ ✓, † 1681.

Ladanum, ℞, odor. resin from *cistus creticus;* usd. in ⚸ for plasters.

Ladislaus, *v.* Wladislas.

Ladoga, Lake, N.W. of Russ.; 6,804 s.m.

Ladon, class. myth., 1] one of the dogs of Actæon. 2] Dragon wh. guarded apples of Hesperides.

Ladrones, or Marian Islands, Span. group of 20 in N. Pacific; 420 s.m., 5,800 inh.; discd. by Magellan 1520.

Lady-bird, entom., the gen. of beetles *coccinella.*

Lady Chapel, △, chapel dedic. to Virgin Mary.

Lady-day, *v.* Annunciation.

Lady Margaret Professor of Divinity, office fnded. at Camb. 1502 by mother of Henry VII.

Lady of the Lake, Brit. myth. =Vivien, mistress of Merlin, the wizard, who lived in midst of a lake.

Lady's Mantle, or Common Alchemil, ✿, the gen. *alchemilla*, esp. *A. vulgaris.*

Lady's Slipper, ✿, the gen. *cypripedium*, an orchid.

Laënnec, René Théophile H., Fr. ⚸, * 17/2 1781; invtd. stethoscope, † 13/8 1826.

Lætare, †, 4th Sunday in Lent.

Lafayette, Jos. P. Yves Motier, marq. de, Fr. ⚔, orator, & ✓, * 6/9 1757 Chavagnac; took part in Amer. War of Indep. & Fr. revoln., † 20/5 1834 Paris. ✓ "Memoirs."

Laffitte, Jacq., Fr. finan. & polit., * 24/10 1767, † 26/5 1844.

Lafitan, Jesuit missionary in N. Amer., † 1740.

Lafontaine, 1] Jean de, poet, * 8/7 1621 Château-Thierry, † 13/4 95 Paris. "Fables," &c. 2] Aug. H. Jules, rom. ✓, * 10/10 1759 Brunswick, † 20/4 1831 Halle.

Lafosse, Chas. de, Fr. ✆, * 1640, † 1716.

Lagomys, *v.* Pica.

Lagos, ⊕ islnd. in Bight of Benin, W. Afr.; 76,000 inh.; ceded to Brit. 1861.

Lagrange, Gius. L., Count, math. & ✕ ✓, * 25/1 1736 Turin, † 10/4 1813 Paris.

La Gueronnière, L. Étienne A., Vic. de, Fr. statesm. & journ. ✓, * 1816 Poitou, † 23/12 75.

La Harpe, C., Swiss polit., * 6/4 1754; helped to estab. Helvet. Repub. 98, overthrown 1800, † 30/3 38 Lausanne.

La Hogue, Cape, N.W. point of Fr.; ⚓ ✕ 19/5 1692, Fr. und. Tourville deftd. by Eng. und. Russell & Rooke.

Lahore, div. of Panjab, Brit. Ind., comprising districts of L., Firozpur, & Gujranwala; 8,961 s.m., 1,900,000 inh. Distr. of L., 3,659 s.m., 790,000 inh. Chief ⊙ of distr., div., & prov., L.; 112,000 inh.

La Huerta, V. Garcia de, Span. ✆ poet, * 1729, † 97.

Laidlaw, William, song ✓, * 1780, † 1845.

Laing, 1] Dav., Ψ ✓, * 1790, † 1878. 2] Alex. Gordon, ✕ offr. & Afr. explr., * 1793, † in Afr. 1826. 3] Malcolm, Scot. ♛, * 1762, † 1818. 4] Alex. ("the Brechin poet"), * 1787, † 1857. 5] Saml., polit. & misc. ✓, * 1810 Edin.; Ind. Fin. Min. 60. "Mod. Science & Mod. Thought" 86.

Lairesse, Gérard, Belg. ♛ ✆ & engraver, * 1640 Liége, † 1711.

Lais, name of 2 Grk. courtesans celebrated for beauty, 5th & 4th cents. B.C.

Laissez faire, Fr. = let act; non-interference.

Lake, 1] Gerard, Viscount, ✕, * 1744; served in Ulster & India, † 1808. 2] Arthur, † ✓, * 1550; bp. of Bath & Wells, † 1626.

Lake Dwellings, Ψ, stumps of the piles of rude dwellings of

prehistoric manfnd. beneath surface & nr. shores of lakes in Switz., N. Italy, Grt. Brit., &c.; ascribed to Neolithic, Bronze, & Iron Ages.

Lake Poets, The, term applied by *Edinb. Review* to Wordsworth, Coleridge, & Southey, & afterw. extended to Lamb, Lloyd, & Wilson, because they lived in Lake District.

Lakhimpur, distr. of Assam, B. Ind.; *ca.* 11,500 s.m., 123,000 inh.

Laksmi, or Lakshmi, Hindu goddess of wealth & pleasure, a wife of Vishnu.

Lalande, J. J. Lefrançois de, Fr. ✱, * 11/7 1732 Bourg-en-Bresse, † 4/4 1807 Paris. /.

Lalanne, Maxime, etcher, * 1827 Bordeaux, † 16/8 86. /.

Lalitpur, distr. of N.W. Provs., Brit. Ind.; 1,947 s.m., 214,000 inh. Chief ⊙, L.

Lally, Theo. A., Bar. de Tollendal, Fr. ✱ offr., of Irish descent, * 1702; commdr.-in-chf. in India, execd. for surrendering Pondicherry 66.

Lama, r. Tibet.

Lamaism, †, the religion of Tibet; a corruptd. Buddhism.

La Manche, a N. dept. of Fr., pt. of old prov. of Normandy; 2,289 s.m., 528,000 inh. Chf. ⊙, St. Lô.

Lamarck, J. B. P. Ant. de Mouet, Chev. de, Fr. zool., * 1/8 1744 Bazentin; suggested development theory, blind 1802, † 20/12 29 Paris. /.

La Marmora, Alfonso C. Ferrero de, Ital. genl. & statesm., * 17/11 1804 Turin; took part in Crimean War, † 5/1 78 Florence.

Lamarque, Max., Fr. genl., * 22/7 1770; in Russ. & Span. ✱s, † 1/6 1832 Paris.

Lamartine, Alphonse de, Fr. statesm., ✱, poet., & misc. /, * 21/10 1790 Mâcon; a leadr. in Revoln. of 1848, † 1/3 69 Passy.

Lamb, 1] Chas., misc. & poet. /, * 18/2 1775 London, † 27/12 1834 Edmonton. "Poems" 1797, "Rosamond Gray" 98, "John Woodvill" 1801, "Essays of Elia" 28, "Album Verses" 30, "Last Essays of Elia" 33: in collab. with 2, "Tales from Shakspere" 07, "Poetry for Children" 09. Life by Talfourd. 2] His sist., Mary, misc. /, * 1762, † 1847 (*v.* 1). 3] Caroline, Lady, dau. of earl of Besboro', nov. /, * 1785; mar. Hon. Wm. Lamb (afterw. Ld. Melbourne), † 1828.

Lamballe, Marie Thérèse de Savoie Carignan, Prncss. de, supt. of household of Marie Antoin., * 8/9 1749, execd. 3/9 92.

Lambarde, Wm., Ψ, * 1536, † 1601.

Lambe, Hon. Geo., critic. & ⊙ /, * 1784, † 1834.

Lamber, Juliette, Fr. rom. /, * 1836.

Lambert, John, Parl. genl., * 1619 Kirkby Malhandale, † 92 Guernsey.

Lambert of Hersfeld, Germ. ✱ /, * 1020, † 88.

Lambeth, a Lond. bor. in Surrey; 500,000 inh.; rets. 4 M.P.s: N., Kennington, Brixton, & Norwood divs.

Lamellibranchiata, zoology, class of molluscs breathg. by gills (*branchiæ*) in form of thin plates (*lamellæ*); *e.g.*, mussels, oysters.

Lamellicornes, tribe of beetles (*coleoptera*) havg. antennæ ending in lamellated club; *e.g.*, cockchafer.

Lami, Mahom. ben Osman, chf. Turk. lyr. /, † 1531. "Ferhad-nameh."

Lamia, class. myth., a Libyan Q. who murdered children.

Lammas, eccl. festival (1/8).

Lamennais, H. F. Robt. de, Fr. ✱, †, & polit. /, * 19/6 1782 St. Malo, † 27/2 1854 Paris. "Paroles d'un Croyant" 34, &c.

Lammergeier, or Bearded Vulture, an eagle, *gypaëtus barbatus.*

Lammermuirs, or Lammermoors, range of low moorland hills in Haddingtn. & Berwick, Scot.

Lamont, J. v., ✱, * 13/9 1803 Braemar, † 6/8 69 as Dir. of Observ., Munich. /.

Lamoricière, Chr. L. L. J. de, Fr. genl., * 5/2 1806 Nantes; captd.

Abdelkader 47, Min. of War 48, comdr. of Papal army 60, † 10/9 1865 nr. Amiens.

La Mothe le Vayer, Franç. de, Fr. ✍ & ✓, * 1588 Paris, † 1672.

La Motte, Jeanne de Luz, Comtesse de, implictd. in diamd. necklace affair; * 22/7 1756, † 25/8 91 London.

La Motte-Fouqué, *v.* Fouqué.

Lamplugh, Thos., archbp. of York, * 1615, † 91.

Lampos and Phaeton, myth. steeds of Aurora.

Lamprey, ichth., the gen. *petromyzon;* ascends ⚓s in Apr. & May.

Lampridius, Ælius, Rom. ✍ ✓ of 4th cent.

Lanarkshire, or Clydesdale, co. of Scot.; 889 s.m., 906,000 inh.; rets. 6 M.P.s: Govan, Partick, N.W., N.E., Mid, & S. divsns. Chf. ⊙, L.; 5,000 inh.

Lancashire, a N.W. co. of Eng.; 1,905 s.m., 3,465,000 inh.; cotton, wool mnfs. Constitutes a Duchy und. the Crown. Rets. 23 M.P.s: Blackpool, Chorley, Lancaster, N. Lonsdale, Accrington, Clitheroe, Darwen, Rossendale, Eccles, Gorton, Heywood, Middleton, Prestwich, Radcliffe-cum-Farnworth, Stretford, West Houghton, Bootle, Ince, Leigh, Newton, Widnes, Ormskirk, & Southport divs. Chf. ⊙, L.; 21,000 inh.

Lancaster, Duke of, *v.* Gaunt.

Lancaster, 1] Joseph, Quaker educationist, * 25/11 1771 Lond., † 23/10 1838 N. York. 2] Sir Jas., ⚓ offr., † 1620.

Lancaster Sound, inlet of N. Canada; named by Baffin after Sir J. L.

Lancasterian System of Education, syst. of Lancaster 1.

Lancelet, ichth., *amphioxus lanceolatus,* fish of lowest type.

Lancelot of the Lake, Brit. rom. by Walter Mapes, 12th cent.

Lancer, trooper armed w. lance, &c.; introd. into Brit. army 1816; now 5 regts.

Lancewood, strong & elastic wood imported from W. Indies for coach-building.

Landau, a 4-wheeled carriage, top of which may be thrown back.

Land-crab, crabs of fam. *gecarcinidæ.*

Lander, 1] Richd., Afr. explr. & ⊙ ✓, * 8/2 1804 Truro; explored mth. of ⚓ Niger, † 6/2 34 Fernando Po. 2] His bro. & comp., John, * 1807, † 39.

Landes (open plains) marit. dept. of S.W. Fr.; 3,599 s.m., 305,000 inh. Chf. ⊙, Mont-de-Marsan.

Landgrave, Landgraf, title adopted in 12th cent. to distingsh. regnant fr. inferior Germ. counts; not now used by any sov. prince.

Land League, the Irish, an assocn. of tenant-farmers fnded. at Dublin 18/11 1879; declared illegal by Justice Fitzgerald 81, & suppressed same yr. by Govt.

Lando, 1] Michele di, Flor. patr. of 14th cent. 2] Ortensio, Ital. novel ✓ of 16th cent.

Landon, 1] Letitia Elizabeth, poetess, novel., & ✆ ✓ ("L. E. L."), * 1802 Lond.; marr. Geo. Maclean, govr. of Cape Coast, 7/6 38, † 15/10 39 C. Coast Castle fr. overdose of pruss. acid self-administered. 2] Chas. Paul, Fr. ⚭ & art ✓, * 1760, † 1826.

Landor, Walter Savage, misc. & poet. ✓, * 30/1 1775 Ipsley Court, W[illegible]

Julian" 1812, "Idyllia Heroica" 20, "Imaginary Conversations" 24, "Satire on Satirists" 36, "Last Fruit off an Old Tree" 53, &c.; Life by Forster.

Landrail, or Corncrake, ornith., *crex pratensis;* visits Brit. in sumr., wintrg. in Afr.

Landseer, 1] Jno., engraver, * 1769, † 1852. 2] His s., Sir Edwin Henry, animal ⚭, * 7/3 1802 Lond.; A.R.A. 25, R.A. 30, knighted 50, ⚭ of Nelson lions in Trafalgar Sq., † 1/10 73. 3] Thos., engrvr., bro. of 2, * 1795, † 20/1 1880.

Landsturm, loc. militia in Germ. & Aust., consistg. of men too old for Landwehr; not called out of own distr. save in case of invasion.

Landwehr, a reserve force of Germ. & Austria into wh. those pass (for 5 years) who have served 7 years in standing army.

Lane, 1] E. W., orientalist, * 1801 Herefordsh., † 10/8 76. Transl. of "Arab. Nights," / of uncompleted Arabic-English Lex. 2] His bro., Richd. Jas., engrvr. & lithog. art., * 1800; A.R.A. 27, † 72. 3] Sir Richd., Bar. of Exchequ., 1 of Royal Commnsrs. at Uxbridge, † 1651.

Lanfranc, †, * 1005 Pavia; archbp. of Canterbury, rebuilt C. cathedral, † 1089. /.

Lanfranco, Giov., Ital. fresco ●, * 1581 Parma, † 29/11 1647 Rome.

Lanfrey, P., Fr. ♛ & polit. /, * 1828, † 15/11 77. "♛ de Nap. I." 67–75.

Lang, Andrew, misc. & poet. /, * 31/3 1844 Selkirk.

Langbaine, 1] Ger., Eng. philol., * 1608, † 58. 2] His s., Ger., misc. /, * 1656, † 92.

Langdale, Hy. Bickersteth, Baron, ⚖, * 1783 Kirkby Lonsdale, Westmrlnd.; Master of Rolls 36, had Record Off. built, † 51.

Lange, 1] Jean Pierre, Germ. †, * 10/4 1802; prof. of system. theol. Bonn 54. /. 2] Louis, Germ. Ψ, * 4/3 1825 Hanover. 3] Karl, Germ. nov. /, * 21/12 1813 Potsdam. 4] Joachim, Germ. gram. & †, * 1670, † 1744. 5] Henry, ●, * 13/4 1821 Stettin.

Langeland, Dan. isld. in Baltic; 18,000 inh.

Langenbeck, B. R. K., ⚕, * 9/11 1810 Hanover, † 30/9 87; great surgeon.

Langham, Simon de, † & statesman, * 1310; bp. Ely, archbp. Canterbury, Great Seal, † 76.

Langhorne, John, †, poet. & misc. /, * 1735, † 79.

Langlande, W., disc. of Wycliffe, * ca. 1300. / "Piers Plowman."

Langley, or Longley, Thos., † & statesm.; Great Seal & archbp. York 1405, † 37.

Langres, Fr. ♚ on Marne ⚓; ⚔ 16/12 1870; 11,000 inh.

Langstaff, Launcelot, pseud. und. wh. Wash., Wm. Irving, & J. K Paulding pubd. "Salmagundi" 1809.

Langtoft, Peter, ✍ / in Fr. verse; prob. 13th cent.

Langton, Stephen, Eng. patr. & cardinal, * ca. 1151 Lincoln; archbishop of Canterbury 1213–28, † 28.

Langtry, Lillie, ☾, * 1852, dau. of Rev. W. C. Le Breton, dean of Jersey; m. Mr. L. 74, joined stage 15/12 81.

Languedoc, old prov. of S.W. Fr.; added to Fr. 1361.

Langue d'Oc, Romance dialect of Provence in Mid. Ages.

Langue-d'Oïl, or **-d'Oui**, Romance dialect of N. Fr. in Mid. Ages.

Languente, Ital., 𝄢 = in a languishing style.

Languet, Hubert, Fr. statesm. & polit. /, * 1518, † 81.

Laniidæ, *v.* Shrikes.

Lankester, 1] Edwin, F.R.S., ⚕ & scient. /, * 1814 Melton, Suff., † 74. 2] His s., Edwin Ray, F.R.S., zool., * 1847; prof. of zool. & comp. anat. London 74.

Lanner, Jos., 𝄞, * 12/4 1801 Vienna, † 14/4 43. Valses.

Lanner, ornith., *falco lanarius* of N. Afr. & S. Europe.

Lannes, Jean, duc de Montebello, Fr. genl., * 11/4 1769 Lectoure; deftd. Castaños in Spain 22/11 1808, captrd. Saragossa 21/2 09, † from wound 31/5 09.

La Noue, Franç. de, Fr. ⚔ offr., * 1531, † 91.

Lansdowne, 1] Geo. Granville, Ld., statesm. & poet, * 1667, † 1735. 2] H. P. FitzMaurice, 3rd marq. of, Lib. statesm., * 2/7 1780, † 31/1 1863 Bowood. 3] Hy. C. K. Fitz M., 5th marq. of, statesm., * 1845; succ. 66, a Lord of Treas. 68–72, Und. Sec. for War 72–4, Und. Sec. for Ind. 80, Govr.-Genl. Canada 83, Govr.-Genl. India 88.

Lantern Fly, entom., the genus *fulgora*, ord. *homoptera;* head said to emit light.

Lanyon, Col. Sir W. Owen, ✕ offr. & administr., * 1842; servd. in Ashantee, S. Afr., & Egypt, † 6/4 87 New York.

Lanza, Giov., Ital. statesm., * 1815 Vignall; Premier 69–73, † 9/3 82.

Lanzi, Luigi, Ital. Ψ & philol., Jesuit, * 1732, † 1810.

Laocoön, class. myth., son of Priam, destroyed, with 2 sons, by serpents. ⌕ so called found 1506 at Rome, now in Vatican.

Laodamia, class. myth., wife of Protesilaos, who was slain bef. Troy.

Laodicean, one who is not in earnest; *v.* Rev. iii. 14–18.

Laon, Fr. ⚜; ✕s 10/3 1814, 9/9 70.

Lao Tze, Chin. ☯, 6th cent. B.C. ⁄.

La Paz, or La Paz de Ayacucho, cap. ⊙ of Bolivia; 77,000 inh.

La Pérouse, Jean Franç. de G., Comte de, Fr. ⚓ offr., * 1741, † on voyage round world 88; remains of expedtn. discovrd. 1827 on isle of Vanikoro, Oceania.

Lapis-lazuli, ◆, rich blue stone, basis of natural ultramarine; comp. of silicate of alumina, lime, & soda, w. sulph. of iron & sodium.

Lapithæ, class. myth., descendants of Lapithes, s. of Apollo; they deftd. Centaurs.

Laplace, Pierre Simon, marq. de, ✕ & math., * 23/3 1749 Beaumont, Lower Normandy; author of Nebular Hypothesis, † 5/3 1827 Paris. ⁄ "Mécanique Céleste" 1799–1825, "Système du Monde" 1796–1824.

Lapland, most N. country of Europe, belonging partly to Swed. & Norw. (75,000 s.m.) & partly to Russ. (12,000 s.m.); 15,000 inh.

La Plata, *v.* Argentine Republic.

La Plata, *R. de, v. Rio de la Plata.*

Lapo, Arnolfo di, Ital. ▲, * 1232 Colle, near Florence, † 1300.

Lappenberg, Joh. Martin, Germ. ⚜ ⁄, ** 30/7 1794 Hamburg, † 28/11* 65. "⚜ of Eng." 34–37.

Laprade, Vict. de, poet. ⁄, * 15/1 1812 Montebrison, † 15/12 83 Paris.

Lapsus linguæ, Lat. = slip of the tongue.

Lapwing, or Peewit, ornith., the gen. *vanellus*, esp. *V. cristatus;* eggs sold as plovers' in London.

Larboard, ⚓, the left; *port* now used instead, to avoid confusion with *starboard.*

Larch, ✱, *abies larix;* yields Venet. turpentine & manna of Briançon.

Lardner, 1] Nathaniel, Unit. †, * 1684 Hawkhurst, Kent, † 1768. ⁄. 2] Dionysius, pop. scient. ⁄, * 3/4 1793 Dublin, † 29/4 1859 Naples. Editor of L.'s "Cabinet Cyclo." (134 vols.) 30–44.

Lares, Rom. myth., tutelary deities, domestic & public.

Larevellière de Lepeaux, L. M. de, Fr. ✱ & polit., * 1753, † 1824.

Larghetto, Ital., 𝄢, rathr. slow.

Larghissimo, It., 𝄢, very slow.

Largo, Ital., 𝄢, slow.

Laridæ, ornith., fam. of ord. *gaviæ*, incldg. gulls, skuas, terns.

Larissa, anct. cap. of Thessaly; 30,000 inh.; ceded to Greece by Turkey 1881.

Lark, ornith., the gen. *alauda;* esp. *A. arvensis*, skylark, & *A. arborea*, woodlark.

Larkspur, ✱, the gen. *delphinium*, esp. *D. ajacis.*

Laroche, 1] Marie Soph., *née* Gutermann, rom. ⁄, * 6/12 1731, † 18/2 1807. 2] Carl, ⌂, * 14/10 1796 Berlin, † 11/3 1884 Vienna.

La Rochefoucauld, François, Duc de, statesm. & ☙ ⁄, * 15/12 1613 Paris, † 17/3 80. "Maximes & Réflexions Morales."

La Rochelle, ⚓ ⚜ of Fr., cap. of Charente Inférieure, on B. of Biscay; 17,000 inh. Siege 1628.

L'Arronge, Ad., ⌂ ⁄, * 8/3 1838 Hamburg.

Larva, entom., *caterpillar form* of insect underg. transformation.

Laryngitis, ✱, inflam. of the windpipe.

Laryngoscope, ⚕, instr. for exaing. windpipe, invtd. by Garcia.

Larynx, the windpipe, contg. the vocal chords, consisting of 2 elastic ligaments at top of trachea.

Lasale, or Lasalle, Robt. C., Fr. explorer in N. Amer., † 1687.

Lascar, ⚓, a nat. E. Ind. sailor on Europ. vessels; an E. Ind. labourer.

Lascaris, 1] Const., philol., † 1493 Messina. 2] His bro., And. J., class. ed., † 1535 Rome.

Las Casas, Bartolomeo de, Span. † & ✓, * 1474 Seville; w. Columbus on his 1st voyage; bp. of Chiapa, Mex.; protected natives, † 1566.

Las Cases, Emm. Aug., marq. de, Fr. ✕ offr. & biog. ✓, * 1766; w. Nap. I. to St. Helena, † 1842.

Lascelles, Lady Caroline, pseud. of Miss Braddon (*q.v.*).

Lasker, Edwd., Germ. polit., a leader of Nat. Lib. party, * of Jewish par. 14/10 1829 Posen, † 5/1 84 Philadelphia, U.S.A.

Lassalle, Ferdinand, Socialist agit. & ✍ ✓, * 11/4 1825 Breslau, † in duel 31/8 64 nr. Geneva.

Lassels, Richd., ✓, * 1603, † 68. "Voyage of Italy."

Lassen, Christ., Norweg. orient., * 22/10 1800 Bergen, † 9/5 76.

Lasso, Orlando di (Roland de Lattre), Belg. ♫ composer & singer, * 1520 Mons, † 14/6 94.

Last, meas.: of fresh herrings 12 barrels, of red herrings 12,000, of pilchards 10,000, of corn 10 or 21 quarters, of wool 12 sacks, of hides 12 doz., of pitch 14 barrels, of powder 12 firkins, each of 100 lbs.

Lateau, Louise, Roman Cath. devotee, * 1860 Belgium; professed to have *stigmata*.

Lateran, church & pal. in Rome; resid. of popes till 1304.

Lateran Councils, †, Gen. councils held in the above, 1123, 1139, 1179, 1215, 1512.

Lates (Lat.), ichth., gen. of perch fam.; Afr., India, Austral.

Latham, 1] John, ornith., * 1740, † 1837. ✓ of "General ♆ of Birds." 2] Robert Gordon, ⚕, ethnol. & philol. ✓, * 1812 Billingboro', Lincs., 9/3 88.

Lathyrus, ❀, genus of plants incldg. everlasting pea, vetchling.

Latimer, 1] Hugh, †, * 1491 Thurcaston; bp. of Worcester 1535, imprisd. as Prot. 39, burnt 16/10 55 Oxford. ✓ of sermons. 2] Wm., class. schol., assisted Erasmus in 2nd edtn. of Grk. Testament, † 1545.

Latin Church, †, the Ch. of the West, as distingd. fr. the Grk. Ch.

Latin Cross, a cross thus—†.

Latini, Brunette, Ital. schol. & ✓, & friend of Dante, * 1230 Florence, † 94.

Latitudinarians, school of †, in time of Chas. II., oppsd. to both High Ch. party & Puritans; term now used of those who hold broad views on †.

Latona, class. myth., mothr. of Apollo & Diana.

Latour, Cagnard, Bar. de, Fr. scien., * 1777, † 1859.

Latour d'Auvergne, T. M. C. de, Fr. genl., * 23/11 1743; in Spain, † 28/6 1800 ✕ Oberhausen.

Latreille, P. A., Fr. entomol. ✓, * 1762, † 1833.

Latterday Saints, *v.* Mormons.

Laube, Heinr., ✍, crit., nov., & misc. ✓, * 18/9 1806 Sprottau, † 1/8 84 Vienna.

Laud, Wm., Eng. †, * 7/10 1573 Reading; bp. of St. David's, Bath & Wells, London., archbp. of Cant. 1633, chf. adviser to Chas. I., impeached 40, execd. 10/1 45.

Laudanum, pharm., tincture of opium.

Lauder, 1] Sir T. Dick, Scot. scient. & misc. ✓, * 1784, † 1848. 2] Wm., Scot. misc. ✓, * 1710, † 71.

Lauderdale, 1] John, dk. of, * 1616; persecd. Covenantrs., † 1682. 2] Jas. Maitland, earl of, polit., dipl., & ✓, † 1839.

Laudon, G. E., Aust. genl., thrice deftd. Fredk. the Gt., * 10/10 1716, † 14/7 90.

Lauenburg, Prus. duchy; 50,000 inh.; indept. 1260, to Brunswick 1689, to Hanover 1705, of Fr. 1801,

to Hanover 1813, to Pruss. 15, to Denmk. 4/6 15, to Pruss. 65. Chief ⊙, L.

Laughing Gas, ⚗, nitrous oxide.

Launce, ichth., the gen. *ammodytes*, sand-eels; esp. *A. lancea*, sand-launce.

Launceston, ⊙ N.E. Cornwall, formerly chf. ⊙ of co.; 5,700 inh.

Laura, *née* de Noves, friend of Petrarch, * 1307; m. Hugues de Sade, † 48 Avignon.

Laureate, Poet, title of the Eng. official court poet: origin not known: off. held by John Skelton, † 1529; Edm. Spenser, † 1599; Saml. Daniel, 1599–1619; Ben Jonson, 1619–37; Sir W. Davenant, 1637–70; John Dryden, 1670–88; Thos. Shadwell, 1688–92; Nahum Tate, 1692–1715; Nich. Rowe, 1715–18; L. Eusden, 1718–30; Colley Cibber, 1730–57; Wm. Whitehead, 1757–85; Thos. Warton, 1785–90; H. J. Pye, 1790–1813; Robt. Southey, 1813–43; Wm. Wordsworth, 1843–50; Alfred (Lord) Tennyson.

Laurel, ✿, the gen. *laurus*; only 1 Europ. specs. (*L. nobilis*), Victor's L. or Sweet Bay Tree. The Common L. is *cerasus laurocerasus*.

Laurence, Rich., Prot. †, * 1760 Bath; archbp. of Cashel, † 1839.

Laurence Slingsby, pseud. of G. H. Lewes (*q.v.*).

Laurens, J. P., ♛ ●, * 29/3 1838 Fourquevaux.

Laurentian System, ⚒, earliest group of stratified rocks, found in Canada, divd. into Upper L., or Labrador, 10,000 ft. thick, stratified crystall. rocks (no organic remains); & Upper L., 20,000 ft. thick, contg. *Eozoon Canadense* (oldest known anim. body), gneiss, quartz, schists, crystd. limestones, & graphite.

Lauriston, Alex. Jacq. B., marq. de, genl. of Nap. I., * 1/2 1768 Pondicherry, † 10/6 1828 Paris.

Laurustinus, *v.* Viburnum.

Lausanne, cap. ⊙ Canton Vaud, Switz., on Lake of Geneva; 32,000 inh.; cathed. 10th cent.

Laus Deo, Lat. = Praise to God.

Laurun, A. N. de Caumont, duc de, ⚔, * 1633; served und. Jas. II. in Irlnd., † 1723. *v.* Biron.

Lava, fused matter ejected from volcanoes, consisting of feldspar mixed w. other ⊕s.

Lavalette, C. J., marq. de, Fr. statesm., * 25/10 1806 Senlis; For. Min. 67–69, † 2/5 81.

La Vallière, Louise Fr. de L. Leblanc, duchesse de, * 1644; mistr. of Louis XIV. 61, † in convent 1710.

Lavater, J. Kaspar, †, * 15/11 1741 Zurich, † there 2/1 1801. ✓ work on physiognomy.

Laveleye, Émile de, Belg. econ. & polit. ✓, * 1822; prof. of polit. econ. Liége 64.

Lavender, ✿, the gen. *lavandula*; incl. Common L., *L. vera*; tonic, stimulant, & perfume.

Laver, ✿, name for sevrl. kinds of edible sea-weed, esp. *porphyra laciniata* & *P. vulgaris*.

Lavington, Geo., † ✓, bp. of Exeter, * 1683, † 1762.

Lavinia, dau. of Latinus, won by Æneas in ⚔ with k. Turnus.

Lavoisier, Ant. L., Fr. ⚗, * 16/8 1743 Paris, executd. there by revolutnsts. 8/5 94.

Law, 1] John, Scot. financier, * 21/4 1671 Edinburgh, † 21/3 1729 Venice; origind. "Mississippi Scheme." 2] Wm., nonjuring †, * 1686 Kingscliffe, † 1761. ✓ "Serious Call" 29, &c. 3] Edmd., † & metaphys. ✓, * 1703; bp. of Carlisle, † 87. 4] Edwd., *v.* Ellenborough.

Lawes, 1] Henry, ♞, * 1600, † 62. 2] His bro., Wm., ♞, † at siege of Chester 1645.

Lawrence, 1] Sir Thos., port. ●, * 13/4 1769 Bristol; kntd. 1815, P.R.A. 27, † 7/1 30 London. 2] John Laird Mair, Lord, Ind. offr., * 24/3 1811 Richmond, Yorkshire; entrd. E. I. Co.'s service, in Sikh Wars, bart. 59 for serv. in Mutiny, Govr.-Genl. of Ind. 63, peer 69, chairm. of Lond. Schl. Bd. 70–73, † 27/6 79 London. 3] His bro., Sir Hy. Montgomery, Ind. offr., * 1806

Matura, Ceylon; kntd. 48, Commisnr. of Lucknow 55, † in Mutiny 4/7 57. 4] Sir Wm., ♗, * 1783; F.R.S. 1813, bart. 67, † 67. /. 5] Geo. Alf., nov. /, * 1827, † 76. "Guy Livingstone."

Lawrence, St., martd. 258 Rome; fest. 10/8.

Lawson, 1] Cecil, ●, * 1851, † 82. 2] Sir Wilfrid, polit., * 4/9 1829; M.P. 59, leader of Local Option movement. 3] Sir John, ⚓ offr., * *ca.* 1612; rear-adm. of Eng. 52, wounded in ⚔ w. Dutch 3/6 65, † 2/7.

Layamon, priest of 12th cent. who transld. "Le Brut d'Angleterre" of Wace into Eng. verse.

Layard, Sir Austen Hy., Ψ, travlr., polit., & diplom., * 5/3 1817 Paris; begn. Nineveh excavtns. 45, For. Und. Sec. 52, 69, env. to Madrid, amb. to Porte 77. / works on Nineveh & Babylon.

Laymen, House of, a body represtg. laity of prov. of Canterbury; first met 17/2 86; does not concern itself w. doctrine, & is elected with every new Parliament.

Laynez, Jago, 2nd genl. of Jesuits, * 1512, † 19/1 65 Rome; drew up statutes of the Order.

Lazarists, †, ord. of missnrs. founded by St. Vincent de Paul 1624.

Lead, ♁, a soft metal obtd. fr. native lead sulphide found in Cornwall, &c.; sp. gr. 11·38, fusible at 325°. Chief oxides of L. are litharge & red L. (latter obtd. by roastg. former); white L., obtnd. by subjecting L. to action of acetic acid & carbonic acid gas. Sugar of L. = acetate.

Lead, ⚓, a mass or plummet of L. used in taking soundings.

Leader, Benj. Willms., landsc. ●, * 1831 Worcester; A.R.A. 83.

Leading Note, 𝄾, 7th degree of ascending major scale.

Leaf Insect, or Walking Leaf, entom., the genus *phyllium*.

League, 1] Meas. of length varying in diffrnt. countries. Eng. land L. = 3 miles; ⚓ L. = 3·457875 statute miles; Fr. ⚓ L. = 5560 mètres. 2] *v.* Land League.

Leake, 1] Rich., ⚓ offr., * 1629, † 96. 2] His s., Sir John, adm., * 1656; deftd. Fr., † 1720. 3] Wm. Martin, ⚔ & Grk. Ψ, * 4/1 1777, † 6/1 1860 Brighton. /. 4] Stephen Martyn, numism. /, * 1702, † 73.

Leamington, ⊙ Warwicksh.; 23,500 inh.; w. Warwick rets. 1 M.P.

Leander, class. myth., youth of Abydos, drowned in Hellespont while swimming across to Hero.

Leap-year, *v.* Calendar.

Learned Blacksmith, The, *v.* Burritt, Elihu.

Lease, 1] possess. granted by owner (lessor) to lessee, for a term, on money paymt. 2] A contrt for same.

Leathes, Stanley, †, * 21 3 1830; prof. of Hebr. King's Coll., Lond., 63, preb. of St. Paul's 70; 1 of the O.T. Revisers. /.

Leaves, ❦, chief breathing & feeding organs of plants; either *deciduous* (= fallg. yrly.) or *persistent*, as in evergreens; with stalk they are *petiolate*, without *sessile*.

Le Bailly, A. F., Fr. poet, * 1756, † 1832.

Lebanon, or Jebel Libnan, ▲ in Syr. betw. Taurus ▲ & Sidon; highest peak Jebel Makmel, 10,050 ft.; parallel ▲ of Anti-Leb. or Jebel-esh-Sherki, E. of L.; highest pt. Hermon, 8,376 ft.

Lebœuf, Edm., Fr. marsh., * 6/12 1809 Paris; Min. of War 69, † 6/6 88.

Lebrun, 1] Chas., Fr. ●, * 24/2 1619 Paris, † there 12/2 90. 2] C. F., Fr. stateam. & /, dk. of Piacenza, * 19/3 1739; Consul w. Nap. & Cambacérès, peer 1815, † 16/6 24. 3] Marie L. E., Fr. ●, * 1755, † 1842. 4] P. D. E., Fr. poet. /, * 10/8 1729 Paris, † there 2/9 1807.

Lecky, Wm. Edw. Hartpole, ♛ /, * 26/3 1838 Dublin. / "Ldrs. of Pub. Opin. in Ireld." 61, "Spirit of Rationalism in Europe" 65, "Europn. Morals from Augustus to Charlemagne" 69, "Eng. in 18th Cent." 78, 82, & 86.

Le Clerc, 1] Jean, ✠ & crit. ✓, * 1657 Geneva, † 81 1736. "Ars Critica." 2] Seb., Fr. etcher, * 1637, † 1714.

Leclerc d'Ostin, C. E., Fr. genl., * 17/3 1772 Pontoise; m. Pauline Bonaparte, † 2/11 1802 Haiti.

Leclercq, Mich. Theod., ✆ & poet. ✓, * 1/4 1777 Paris, † there 15/2 1851.

Lecluse, C. de (Clusius), ✠ & ✠, * 18/2 1525 Arras, † 4/4 1609 Leyden. ✓.

Lococq, Chas., Fr. ✠, * 3/6 1834. ✓ *Fille de Madame Angot* 73, *Giroflé Girofla* 74, &c.

Leconte de Lisle, C. M., lyr. ✓ & transl., * 23/10 1818 Réunion.

Le Courrayer, P. F., R. Cath. †, * 1681 Rouen; uphld. valid. of Anglican ords., † 1776 London.

Leda, Grk. myth., wife of Tyndarus, wooed by Zeus as a swan, moth. of Castor & Pollux.

Ledger (or Leger) **lines,** ✠, lines above or below the stave.

Ledochowski, Count M., Card., * 29/10 1822 Gorki; abp. of Posen 66, imprisd. & deposed 74.

Ledru-Rollin, Alex. Aug., Fr. Revol. of 1848, * 2/2 08 Paris, † 31/12 74 Fontenay.

Ledum, ✠, gen. of evergreen plants of heath fam.; leaves narcotic.

Lee, or Leeward, ⚓, the sheltrd. side of a ship; *i.e.*, the side opposite to that from which the wind blows.

Lee, 1] Robt. Edmund, Amer. Confed. genl., * 19/1 1810 Stratford, Virginia, † 12/10 70 Lexington. 2] Nathaniel, ✆ ✓, * 1655, † 92. *Nero, Rival Queens, Theodosius,* &c. 3] Saml., oriental schol., * 1783 Longnor, † 1852. ✓ "Heb. Grammar" 30, "Heb., Chal., & Eng. Lex." 40, &c. 4] Arthur, Amer. diplom. & ✓, * 1740, † 92. 5] Edwd., † & diplom., * 1482, † 1544. 6] Richd. Henry, Amer. statesm., * 1732; drew up Decl. of Indep., Presdt. of Congr., † 94. 7] Wm., ✠, 16th cent. weaver, invntr. of stocking frame. 8] Sarah, nat. ✠ ✓, † 1854. 9] Sophia & Harriett, sisters, * 1750 & 56, † 1824 & 51. ✓s of "Canterbury Tales," &c. 10] Anne, dau. of a blacksmith, founder of American "Shakers," * 1736, † 84. 11] John, Scot. † & ✠ ✓, Principal of Edin. Univ., † 1859. 12] Saml., Nonconf. †, * 1625, † 91.

Leech, John, artist, & polit. cartoonist in *Punch*, * 1817 London, † 64.

Leech, zool., the suctorial order *hirudinea*; esp. Horse L., & Medicinal L, *hirudo medicinalis*.

Leechman, Wm., Scottish †, * 1706, † 85.

Leeds, ⊙ W. Rid. of Yorksh., chf. wool mnf; 309,126 inh.; rets. 5 M.P.s.: N., S., E., W., & Cent.

Leeds, Thos. Osborne, duke of, Eng. statesm., * 1631; M.P. 61, Treas. of Navy 71, Ld. High Treas. 74, creat. E. of Danby 74, imprisd. 78–84, Presdt. of Counc. 90, dk. 94, † 1712.

Leek, ✠, *allium porrum.* *v.* Allium.

Leeuwenhoek, Ant. van, zool. & microscop., * 24/10 1632 Delft, † 26/8 1723.

Leeward Islands, such of the Lesser Antilles, W. Ind., as belong to Brit., incl. Antigua, Montserrat, St. Christopher, Nevis, Dominica, Anguilla, & Virgin Islds.; 738 s.m., 120,000 inh.

Le Fanu, J. Sheridan, Eng. novel ✓, † 1874.

Lefebvre, 1] Franç. J., duke of Dantzic, Fr. marsh., * 25/10 1755; took Dantzic, † 14/9 1820 Paris. 2] T. Faber, Fr. philol. & class. editr., * 1615, † 72.

Lefevre, 1] Jno. Shaw, statesm., * 1832; M.P. 68, Ld. of Adm. 66, Sec. to Bd. of Trade 68–71, Und. Home Sec. 71, Sec. to Adm. 71–4, 1st Commsr. of Works 84, Postm.-Genl. 85. 2] *v.* Eversley.

Lefô, A. C. E., Fr. genl., * 2/11 1804; amb. to Russ. 48 & 71–79, Min. of War 70–71, † 16/11 87.

Le Fort, Franç. J., Russ. genl.

& adm., * 1656 Geneva, † 2/3 99 Moscow.

Left-handed Marriage, *v.* Morganatic Marriage.

Legato, Ital., ♫ = connectedly; in flowing style.

Legendre, Adrien Marie, math ✓, * 1752 Paris, † 10/1 1833.

Legge, Geo., ⚓ offr., creatd. Ld. Dartmouth (*q.v.*), * 1648, † 91.

Leghorn, Livorno, ⚓ ⊙ of Italy; 100,000 inh.

Legion, in anct. Rom. ⚔, 2,000–6,000 men.

Legion of Honour, *v.* Orders.

Legouvé, Ernest W., ✓, * 15/2 1807 Paris. *Adrienne Lecouvreur.*

Legros, Alph., Fr. ● & etcher. * 1837 Dijon; to Eng. 63, Slade Prof. Univ. Coll. 76.

Leguminosæ, order of pod-plants, *e.g.*, the bean, pea, lentil; known genera 297, species 4,700, found all over globe; 3 sub-orders, *papilionaceæ, mimoseæ, cæsalpineæ.*

Leibnitz, Gottf. Wm. v., Germ ✍, † ⚓, statesm., & math., * 6/7 1646 Leipzig, † 14/11 1716 Hanover. ✓.

Leicester, inland co. of Eng., 799 s.m., 328,000 inh.; lace, hosiery, leather; rets. 4 M.P.s: Melton (E.), Loughboro' (Mid), Bosworth (W.), Harboro' (S.). Chf. ⊙, L.; 123,000 inh.; rets. 2 M.P.s.

Leicester, 1] Robt. Dudley, earl of, s. of John Dudley, dk. of Northumb., * 1531; favourite of Q. Eliz., govr. of Low Countries 85, recalled 87, marr. (1st) Amy Robsart, (2ndly) Lady Essex, poisoned 4/9 88 London. **2]** *v.* Coke 3.

Leichhardt, Fried. Wm. Ludw., zool. & Austral. explorer, * 23/11 1813 Trebatsch, † 48 Austral.

Leigh, 1] Sir Edwd., † & phil., * 1603; memb. of Assem. of Divines & of Long Parliament, † 71.

Leighton, 1] Robt., †* & ✓, * 1613 Edinburgh; bp. of Dunblane 03–70, archbp. Glasgow 70–73, resignd., † 84. **2]** His f., Alex., Scot. †, * 1568, † 1649. **3]** Sir Fredk., ●, * 1830 Scarboro'; stud. at Berl., Frankft.-on-M., Florence Brussels, & Paris; P.R.A. & knt. 78, bart. 85.

Leiningen, principty. of Germ.; 250 s.m.; divd. 1806 betw. Bavaria, Baden, & Hesse.

Leiningen, Ern. Leop., Prince of, Eng. ⚓ offr., * 9/11 1830; s. of Q. Victoria's half-bro.; m. Pcess. Maria of Baden 11/9 58, capt. 60, rear-adml. 76, vice-adml. 81, adml. 87.

Leinster, 1 of 4 provs. of Ireland., comprising cos. of Carlow, Dublin, Kildare, Kilkenny, King's County, Longford, Louth, Meath, Queen's Co., Westmeath, Wexford, Wicklow; 7,619 s.m., 1,280,000 inh.

Leinster, Book of, Lat. MSS. of 8th & 9th cents. at Trin. Coll., Dub., collected in 11th cent. by Finis M'Gorman, bp. of Kildare.

Leipzig, Leipsic, ⊙ of Saxony; 152,000 inh.; univ. fnded. 1409; ⚔ 16–19/10 1813, Nap. I. defted. by allies.

Leith, port of Edinburgh, on ⚓ L.; 59,000 inh.; w. other burghs rets. 1 M.P.

Leitmotiv, Germ. ♫, = leading theme.

Leitner, G. Wm., travlr., * 14/10 1840 Pesth; to Cashmere, &c., 66–70.

Leitrim, co of W. Ireland; 613 s.m., 90,000 inh.; chf. ⊙, Carrick-on-Shannon; rets. 2 M.P.s, N. & S.

Lejay, G. M., Fr. Bibl. schol., * 1588, † 1674. Ed. Polyglot Bible in 7 languages.

L. E. L., pseud. of Miss Landon.

Leland, 1] John, Ψ ✓, * *ca.* 1502 London, † insane 52. "Itinerary" 49. **2]** John, Unit. †, * 1691 Wigan, † 1766. ✓ of anti-deistical works. **3]** Thos., class. schol. & ✍ ✓, * 1722 Dublin, † 85. **4]** Chas. Godfrey, Amer. humor. & misc. ✓, * 15/8 1824 Philadelphia. "Hans Breitmann Ballads" 68, &c.

Lely, Sir Peter (properly P. Van der Vaes), port. ●, * 1617 Soest; to Eng. 41, † 80 London.

Lemaire, N. E., Fr. class. schol., * 1767; edtd. "Bibliotheca Classica Latina" in 154 fol. vols., † 1832.

Lemaître, Fréd., Fr. ☉, * 1798, † 26/1 1876.

Le Mans, chf. ⊙ dept. of Sarthe, Fr.; 46,000 inh.; taken by Germs. 12/1 1871.

Lemberg, chief ⊙ of Galicia, Austr.; 110,000 inh.

Lemercier, Jac., Fr. ▲, * 1590, † 1660.

Lemery, Nic., Fr. ⚗, * 1645, † 1715. / "Cours de Chimie."

Lemming, zool., small Scandin. rodent, *myodes lemmus*.

Lemnos (now Stalimene), Turk. isle in Grk. Archipel.; 150 s.m., 10,000 inh.

Lemoinne, J. E., Fr. journ. / & polit., * 17/10 1815 London; Eng. corresp. of *Débats* 40, Fr. Acad. 75, life senator 80.

Lemon, Mark, nov., journ., & ☉ /, * 1809 London; joint edtr. of *Punch* 41–43, editor 43–70, † 70.

Lemon, ♃, *citrus limonum*, or its fruit, wh. conts. citric acid.

Lemon-grass, ♃, *andropogon schœnanthus*; Ind. & Turkey.

Lemprière, John, class. schol., * *ca.* 1760 Jersey, † 1824. / "Class. Dictionary," &c.

Lemurs, zool., the sub-order *lemuroidæ*, the Half-apes.

Lena, ♃ of E. Siberia; flows 3,000 m. from Lake Baikal to Arctic O.

Lenau, Nich. (N. von Strehlenau), Hung. poet, * 13/8 1802 Czatad, † mad 22/8 50 Oberdobling.

L'Enclos, Anne (Ninon de), mistr. of Condé, Coligny, La Rochefoucauld; patr. of Molière & Voltaire, * 1616 Paris, † 1705.

Le Neve, John, Eng. Ψ, * 1679, † 1741.

Leng, John, †, * 1665; bp. of Norwich, ed. Terence, † 1727.

Lengerke, Alex., / /, * 30/3 1804, † 23/12 53 Berlin.

Lennox, 1] Charlotte, misc. /, * 1720 U.S.A.; to Eng., † 1804. 2] Lord Wm. Pitt, misc. /, * 20/9 1799, † 18/2 1881.

Lenormant, Franç., Ψ, * 1837 Paris, † there 10/12 83. /.

Lens, optics, a disc of glass w. surfs. thus:)((plano-concave),)((doubl.-concave),)) (plano-convex),) ((double-convex),)) (concavo-convex), or meniscus (*q.v.*). Used to magnify or diminish the images of objects.

Lent, Christ. †, fast of 40 days, (fr. Ash Wed. to eve of Easter).

Lentando, Ital., ♫ = slackening time.

Lenthall, Wm., ⚖ & polit., * 1591; Speaker of Long Parlt. 1640, Master of Rolls 43, a commsr. of Great Seal, again Spkr. 54, peer 56 † 1662.

Lentil, ♃, *ervum lens*, of ord. *leguminosæ*, nat. of S. Europe; seeds very nutritious.

Lento, or **Lentamente**, Ital., ♫ = slowly.

Lenz, 1] Reinh., Germ. ☉ & poet. /, * 12/1 1750, † 24/5 92 Moscow. 2] H. O., zool., * 27/2 1798, † 13/1 1870. /. 3] Oscar, Afr. travl., * 13/4 1848 Leipzig.

Leo, the Lion, ♌, 5th constell. of Zodiac; chf. star, Regulus.

Leo, name of 6 Rom. Emps. of East. Leo III. (the Isaurian), * 680; defend. Constan. agst. Saracens with Grk. fire, began inconoclastic controv. by breaking images, † 741.

Leo, name of 13 Popes: 1] I. (the Great). * 390; elect. 440, saved R. from Attila, † 61. 2] IX., * 1002; elect. 49, † 54. 3] X., s. of Lorenzo d. Medici, * 11/12 1475 Florence; card. 88, elect. 1513, † 1/12 21. 4] XII., Annibale della Genga, * 22/8 1760 Romagna; elect. 1823, † 10/2 29. 5] XIII., Gioacchino Pecci, * 2/3 1810 Anagni; archbp. of Damietta & Nuncio at Brussels 43, archbp. of Perugia 46, card. 53, Papal Chamberlain 77, pope 20/2 78; poet. /.

Leo Allatius, *v.* Allatius.

Leo, Johannes, * 1483 Granada, † 1552. / on Africa.

Leon, an anct. kingdom of Spain; aftw. a prov.; now divd. into provs. of L., Zamora, Salamanca. Mod. prov. of L., 5,894 s.m., 355,000 inh.; chf. ⊙, L., 11,000 inh., cathedral.

Leonardo da Vinci, Ital. ●, ⌂, A, ⊕, & ⁄, * 1452 Vinci, nr. Florence, † 2/5 1519 Cloux.

Leonidas, k. of Sparta 491 B.C., † at ⚔ Thermopylæ 480 B.C.

Leopard, or Panther, *felis pardus*; Afr., S. Asia, & Asiat. islands.

Leopardi, Giacomi, Count, Ital. poet. ⁄ & patriot, * 29/6 1798 Recanati, † 14/6 1837 Naples.

Leopold, 1] Dk. of Austria, * 1157; seized Richd. I. of Eng., † 94. 2] Dk. of Aust. (the Glorious), * 1292, † 1326. 3] Dk. of Aust., 3rd son of Albert the Wise, * 1351, † 86 at ⚔ of Sempach. 4] I., Emp. of Germ., * 9/6 1640; elected 58, deftd. by Fr., but deftd. Turks, † 5/5 1705. 5] II. of Germ., s. of Maria Theresa, * 5/5 1747; Gd. Dk. of Tusc. 65, Emp. 90, † 1/3 92. 6] Pr. of Anhalt Dessau (the Old Dessauer), Pruss. genl., * 3/7 1676; suc. 98, † 9/4 1747. 7] I., Gd. Dk. of Baden, * 29/8 1790; suc. 1830, fled 49, † 24/4 52. 8] I., k. of Belg., s. of Dk. Franz of Saxe-Coburg, * 16/12 1790; k. 1831, † 10/12 65. 9] His s., II. of Belg., * 9/4 1835 Brussels; suc. 65, m. Marie Henriette of Austria 22/8 53.

Lepage, Bastien-, *v.* Bastien-L.

Lepanto (anct. Naupactos), Grk. ⊙ on G. of L.: ⚓ ⚔ 7/10 1571, Turk. deftd.

Lepidodendron, ✿, genus of fossil plants fnd. in coal-measures.

Lepidoptera, entom., ord. of insects incl. butterflies & moths; usually 4 wings, bearing modified hairs called scales.

Lepidosiren, ichth., a ganoid fish; *L. paradoxa* of the Amazon.

Lepidus, M. Æmil., triumvir w. Antony & Octavian 43 B.C., † 13 B.C.

Leplat, J., Jansenist †, * 1732 Malines, † 1810.

Leporidæ, zool., the fam. containing the hare & rabbit.

Leprosy, ✱, malignant disease eating away the body; common in Japan & Pacific.

Lepsius, Karl Richd., Egyptol., * 23/12 1811 Naumburg; to Egypt 42–46, † 11/7 84. ⁄ "Monuments of Egypt & Ethiopia" 49–59, &c.

Leptospermum, ✿, gen. of plts. of ord. *myrtaceæ*, fnd. chfly. in Austr.lia; *L. lanigerum*, Austral. tea-plant.

Lerdo de Tejada, Seb., * 25/4 1827 Jalapa; Pres. of Mexico 72–76.

Lerida, prov. of N.E. Spain; 4,772 s.m., 290,000 inh. Chf. ⊙, L.; 20,000 inh.

Lermontoff, Mich. J., Russ. poet. & nov. ⁄, * 15/10 1814, † in duel 27/7 41 in Caucasus.

Lerna, myth., the lake where Hercules killed the hydra.

Lernæa, zool., parasite on fishes.

Le Roi le veut (Fr. = the king wills it), form of royal assent to Bills; form of dissent, *Le Roi s'avisera* = the k. will consider it.

Leroux, Pierre, soc. & ⁂ ⁄, * 1798 Paris; exiled 1851, ret. 70, † 71. "De l'Humanite" 40.

Leroy-Beaulieu, P., polit. econ. ⁄, * 9/12 1843.

Leroyer, Élie, statesm., * 1816 Geneva; Min. of Just. 79–80, Presdt. of Senate 82.

Le Sage, Alain Réne, Fr. rom. ⁄, * 8/5 1668 Sarzeau, † 17/11 1747. "Gil Blas" 15–35. "Le Diable Boiteux."

Lesbian Poets, Terpander, Alcæus, Arion, Sappho, all of Lesbos.

Lesbos, *v.* Mitylene.

Lesley, John, Scot. diplom. & †, * 1527; bp. of Ross, imprisoned in Tower, † 96.

Leslie, 1] Chas. Robt., genre ●, * of Amer. descent 1794; to Lond. 1811, A.R.A. 21, R.A. 26, † 59. Biog. ⁄. 2] His son, Geo. Dunlop, ●, * 1835; A.R.A. 68, R.A. 76.

3] Sir John, math., * 1766 Largo, † 1832. 4] T. E. C., Irish econ. ⁄, * 1827, † 82. 5] Chas., Irish non-juror †, * 1650, † 1722. ⁄.

Lespès, Leo (Timothy Trimm), Fr. journ. ⁄, * 1815; fnded. *Petit Journal*, † 75 Paris.

Lespinasse, Jeanne J. E. de, Fr. misc. ⁄, * 1732, † 76.

Lesseps, Ferd., Vicomte de, Fr. ⚙, * 19/11 1805 Versailles; Fr. envoy to Spain 48, construct. Suez Canal 54–69, Fr. Acad. 73, began constr. of Panama Canal 80.

Lessing, 1] Gotthold Ephraim, poet., ✎, ✍ & misc. ✓, * 22/1 1729 Kamenz, † 15/2 81 Stettin. *Laocoon, Nathan der Weise, Emilia Galotti.* 2] Karl, Germ. landscp. ●, * 15/2 1808 Breslau, † 5/6 80.

L'Estrange, Sir Roger, journ. & misc. ✓, * 1616 Hunstanton, † 1704.

Le Sueur, Eust., ●, * 2/11 1617 Montdidier, † 30/4 55 Paris.

Lethe, Grk. myth., a ⛲ of lower world, drinking of whose waters blotted out recollection of past.

Letter of Credit: L. from one merchant or bank to another, requesting payment to bearer of certain money.

Letter of Marque, ⚓, a commissn. authorising a privateer to seize vessels of a hostile nation.

Letters Patent, ✍, a document und. the Gt. Seal: so call. because on *open* sheets of parchment.

Lettice, John, † ✓, * 1737, † 1832.

Lettre de Cachet, Fr., a secret arbitrary warrant of imprisonment under the king's seal.

Lettsom, John Coakley, ✍ ✓, * 1744, † 1815.

Lettuce, ❦, gen. *lactuca;* esp. *L. sativa,* garden L.; composite plant.

Leuchtenberg (*v.* also Beauharnais), 1] C. Aug. E. Napol., eld. s. of Eug. Beauharnais, * 9/12 1810; m. Q. Maria of Port., † 28/3 35. 2] His bro., Max. Eug. J. Nap., * 2/10 1817, † 1/11 52.

Leucin, ⚗, a crystalld. organic compound formed during putrefac. of many anim. substances; amidocaproic acid.

Leucippus, Grk. ✍, founder of Atomic School, *ca.* 428 B.C.

Leuciscus, ichth., gen. of fishes of carp fam., incl. roach, chub, dace, minnow, & smelt.

Leucothea, Grk. myth., name of Ino after she became a sea-nymph.

Levant, the coasts of Asia Minor, Egypt, Syria, Turkey, & Greece.

Levée, a sovereign's or prince's reception, esp. of gentlemen.

Levellers, politicians who would destroy all distinctions of rank; suppressed by Cromwell 1649.

Leven, Loch, a lake in Kinross co., Scot., 9 s.m., drained by ⛲ L.

Lever, ⚙, apparatus for econ. power, & consistg. of rigid bar, fulcrum, & applied force: of 3 vars., *e.g.,* in (1) scissors, (2) oar of a boat, (3) pair of tongs.

Lever, Chas. Jas., Irish nov. ✓, * 1806 Dublin; ed. *Dublin Univ. Mag.* 42, consul at Spezzia 58, † 1/6 72 Turin. "Harry Lorrequer" 39, "Chas. O'Malley" 41, "Jack Hinton" 42, "Tom Burke" 44, &c.

Leveridge, R., vocal., * 1670, † 1758.

Leverrier, U. J. J., Fr. ✍ & math., * 11/5 1811 St. Lô; determined existence of Neptune as a planet by math. calculns. simul. w. J. C. Adams; dir. of Observ. Paris, † there 28/9 77.

Levi, Leone, econ. ✓, * 1821 Ancona; to Eng. 44. "♛ of Brit. Commerce." † 7/5 88.

Lewald, 1] Fanny, Germ. nov. ✓, * 24/3 1811 Königsberg; m. Adolph Stahr 54. 2] Aug., ✓, * 14/10 1792, † 10/3 1871 Munich.

Lewes, chf. ⊙ of Sussex; ✓; 11,300 inh.: ⚔ 14/5 1264, followed by the *Mise* (treaty) of L.

Lewes, 1] Geo. Henry, ✍ & misc. ✓, * 18/4 1817 Griff, † 30/11 78. "Biog. ♛ of ✍" 45–46, "Life of Goethe" 55, "Physiol. of Common Life" 59, "Problems of Life & Mind" 74–79. 2] John, † & Ψ, * 1675, † 1746.

Lewis, 1] Sir Geo. Cornewall, Eng. statesm., ✍, ♛, & misc. ✓, * 1806 London; Chanc. of Exchequ. 55, Home Sec. 59, War Sec. 61, † 63. "Authority in Matters of Opinion" 49, &c. 2] Matt. Gregory (Monk), nov. ✓, * 1773 London, † 1818. "The Monk" 1795, "Bravo of Venice," 1804. 3] J. F., ●, * 14/7

1805 London; A.R.A. 59, † 15/8 76. 4] Estella Anna, Amer. poet., ✆, & novel ✓, * ca. 1834, † 1880.

Lewis, largest of Hebrides; 770 s.m., 26,000 inh. Chf. ⊙, Stornoway.

Lex non scripta (Lat. = the unwritten law), Common, as distinct from Statute, Law.

Lex talionis, Lat. = law of retaliation.

Lexington, ⊙ Mass., U.S.A.; ⚔ 19/4 1775.

Ley, Jas., Bar. L. & Earl of Marlboro', ⚖, * 1552; Chf. J. of K.'s Bench 1621, Ld. Treas. 24, † 29.

Leyden, Leiden, ⊙ Holl.; 42,000 inh.; univ.

Leyden, John of, v. John of L.

Leyden, 1] Lukas van, Dutch ✎ & engraver, * 1494, † 1533. 2] John, poet & orientalist, * 1775, † 1811.

Leyden Jar, appar. for accumulating electricity, invt. by Vanleigh.

Leys, H., ✎ ✎, * 18/2 1815 Antwerp, † there 26/8 29.

L'Hôpital, Mich. de, Fr. statesman, * 1505; Chanc. of Fr. 60–65, † 13/3 73.

Lhuyd, Edwd., Ψ, * 1670, † 1709. ✓ of "Archæologia Britannica."

Lhuys, Drouyn de, v. Drouyn.

Lias, ⚒, series at base of Oolite, forming lowest divsn. of Jurassic grp.; thin beds of blue or grey limestone separtd. by clay: in Eng. divd. into Upper, Middle, & Lower L.

Libanius, Grk. ☠, * 314 Antioch, † 90.

Libanus, v. Lebanon.

Libel, ⚖, defamatory publicatn.; remedy is either by civil action or indictment.

Liberals, Brit. polit. party in favr. of popular power: name said to be derived fr. that of a periodical established by Byron & others.

Liberal Unionist Association, a soc. frnd. 1886 by Dissent. L.s to oppose Mr. Gladstone's Home Rule policy.

Liberia, indept. negro repub. of Upper Guinea, W. Afr.; founded 1822 as asylum for freed slaves from U.S.A.; 509 m. of coast line, 14,000 s.m., ca. 1,100,000 inh. Cap. ⊙, Monrovia; 6,000 inh.

Liberius, St., pope 352–66.

Libertines, †, Flem. sect of Antinomians who held that nothg. is sinful to those who think it right.

Libra (Lat. = Balance), 1] ♎, 7th constelln. of Zodiac, entered by sun ca. 22/9, & so called because at that time days & nights are equal. 2] Span. weight = 7108·72 grs. troy.

Libraries, v. Public Libraries Acts.

Libration, ☽, variation; esp. in precise pt. of moon presented to earth.

Libya, anct. Grk. name for Afr.

Lichens, ✿, *lichenaceæ*, ord. of *fungales*, some of which grow on rocks, old walls, trees, &c.

Lichfield, ⊙ & co. of Staffs.; 8,500 inh.; bpric.; cathed. founded 1148, compl. ca. 1420, restored 1860–8.

Lichnowski, 1] Fel., Prince, * 5/4 1814; Carlist 38, assassd. 18/9 48 Frankfort. 2] His bro., Karl, Germ. polit., * 19/12 1819

Lichtenberg, Georg C., Germ. ☠, * 1/7 1742 Darmstadt, † 24/2 99.

Lichtwer, M. G., fable ✓, * 30/1 1719 Wurzen, † 7/1 83 Halberstadt.

Licinius, 1] Caius L. Stolo, Rom. tribune who in 367 B.C. emancipt. plebeians. 2] Rom. Emp. A.D. 307–24, execd. by Constantine.

Lictors, Rom. offrs. who, bearg. the *fasces*, attended on magistrates & executed their judgments.

Liddell, 1] Hy. George, class. lexicog., ✎ ✓, & †, * 1811; prof. of moral ☠ Oxf. 45, head-master of Westmr. 46–55, dean of Christ Ch. 55; ✓ w. Robt. Scott of Grk. Lex. 43, "✎ of Rome" 55. 2] Duncan, Scot. ♪ & math., * 1561, † 1613.

Liddon, Hy. Parry, Eng. †, preacher, & ✓, * 1829; Vice-Presdt. Cuddesdon † College 54–9, Preb. Salisbury 64, Select Preacher Oxf. 63, 70, 77, 84, Bampton Lecturer 66, Canon of St. Paul's 70, Ireland

Prof. of Exegesis Oxf. 70–82, refsd. bpric. of Edinb. 1/6 86.

Lidskialfa (=terror of nations), Scand. myth., the throne of Alfader.

Liebermeister, Karl, ⚕, * 2/2 1833 Ronsdorf; prof. at Tübingen 71.

Liebig, Justus, Baron v., Germ. ⚗, * 12/5 1803 Darmstadt; baron 45, † 18/4 73 Munich.

Liebknecht, W. P. M., Germ. Socialist, * 29/3 1826 Giessen; sevrl. times imprisnd., member of Reichstag 74.

Liebreich, Osc., ⚕, * 14/2 1839 Konigsberg; prof. at Berlin 72, introd. use of chloral.

Liechtenstein, princip. Tyrol; 68 s.m., 8,800 inh.; indept. but und. Austrian protect. Cap. ⊙, Vaduz.

Liechtenstein, Prince Alf. v., leader of Centre party in Austrian Parlt., * 11/6 1842 Prague.

Liége, Luttich, Belg. ⊙, cap. of prov. of L.; 123,000 inh.; chf. ⊙ Fr. departmt. of Ourthe 1793–1814; incorpd. w. Netherlands, & in 30 w. B.; univ. founded 17; bpric.; iron & guns.

Lien, ⚖, right by wh. a person detains prop. of another until a claim has been satisfied.

Lieutenant, ⚔, offr. next below a capt.; ⚓, offr. next below a commander. Lord-Ls of counties represent the Sovereign in the cos., & are at head of Commissn. of Peace & of militia & yeom.; Lord-L. of Irlnd. reprsnts. Crown in I., salary £20,000 a year, with annual allowance for offrs. of hsehold. of £6,992.

Life Guards, *v.* Guards.

Ligan, ⚓ ⚖, goods wh. have been buoyed; in absence of lawful owner belong to Crown.

Ligature, ⚕ wire, or other string used to compress blood-vessels or remove growths.

Light, *v.* Optics.

Lighter, ⚓, open flat-bottomed boat for loadg. & unloadg. ships, &c.

Lightfoot, 1] John, Hebr. schol. & †, * 1602, † 75. 2] John, ☘ ⚷, * 1735, † 88. 3] Joseph Barber, †, * 1828 Liverpool; Hulsean Prof. of † 61, Canon of St. Paul's 71, Lady Margaret Prof. of † 75, bp. of Durham 79.

Lightning, natrl. electric discharge betw. clouds & earth, or betw. 2 clouds charged w. electr. of opposite kinds. Sheet L. is result of less intense disch. than forked L., or may be only reflectn. of forked below horiz. Summer L. is series of feeble dischs. of sheet L.

Lightning-conductor, appliance invented by B. Franklin 1755 to protect bldngs. from effects of lightning by condctg. it to ground.

Lignin, or Woody Fibre, ☘ & ⚗, fibre, which lines, inside & out, the cell-walls of plants, giving them additnl. strength; similar to cellulose, but contg. more carbon.

Lignite, or Brown Coal, ⚒, fossil wood partially converted into coal, generally of Tertiary age.

Lignum Rhodium, commercial name of wood of certain shrubby plants, & esp. of Jamaica Tree, *amyris balsamifera*; yields oil of R.

Lignum-vitæ, *v.* Guaiacum.

Ligny, Belg. villg.; ⚔ 16/6 1815, Nap. I. deftd. Blücher.

Ligonier, John, earl, Brit. genl., * 1678; commdr.-in-chf., † 1770.

Liguori, St., Alf. M. de, R. Cath. †, * 26/9 1696 Naples, † 1/8 1787; canonised 1839.

Liguorians, or Redemptorists, † body of missionary priests fnded. 1732 by Liguori.

Liguria, anct. name of distr. of Italy. Cap. ⊙, Genoa.

Lilac, ☘, the gen. *syringa*; esp. *S. vulgaris*, introd. from Pers. 1597.

Lilburne, John, Eng. Repub., polit., & pamphlet ✓, * 1618, † 57.

Liliaceæ, ☘, order of endogens, incl. tulips, hyac., lilacs, aloes, & onions; bulbous roots; 6 stamens 3-celled ovary; known gen. 170, including 17 Brit.; species *ca.* 1,500.

Lilith, Rabbin. myth., Adam's 1st wife, changed for refractory conduct into night-spectre, esp. hostile to new-born infants.

Lille, ✱ ⊙ of Nord, France;

captd. from Spain 27/8 1667; by Eugene & Marlborough from Fr. 23/10 1708; ced. to Fr. by Peace of Utrecht 13; 165,000 inh.

Lilliburlero, refrain of a song by Ld. Wharton ridiculing R. Caths.; contributed to Revoln. of 1688.

Lillie, Lilly, or Lyly, John, ✆ & poet. ✓, * 1553, † 1601. *v.* Euphuism.

Lillo, Geo., ✆ ✓, * 1693 Lond., * 1739. *Geo. Barnwell*, &c.

Lilly, 1] Wm., astrol. ✓, * 1602 Diseworth, † 81 Walton-on-Thames. **2]** or Lily, Wm., grammarian, 1st master of St. Paul's School, * 1468 Odiham, † 1523 Lond. **3]** *v.* Lillie.

Lily, ❀, any plant of ord. *liliaceæ*, esp. those of genus *lilium*.

Lily of the Valley, ❀, the gen. *convallaria*.

Lily-tree, ❀, the gen. *doryanthes* of Australia.

Lima, cap. ⊙ Peru, on Rimac, 8 m. fr. ⚓ ⊙ Callao; fnded. 1535 by Pizarro; univ., cathed.; 160,000 inh.

Limbo, †, place near hell, without suffering, supposed to contain souls of unbap. infants and good men dead before Christ.

Limburg, 1] Limbourg, former prov. of Netherlands, divd. 1830 betw. Holl. & Belg. Dutch L.: 850 s.m., 242,000 inh.; cap. ⊙, Maastricht. Belg. L.: 931 s.m., 214,000 inh.; cap. ⊙, Hasselt. **2]** Belg. ⊙; 2,500 inh., cheese.

Lime, ⚗, an alkaline earth obtd. by roasting limestone or chalk; the treatmt. drives off carb. acid, leavg. oxide of calcium, or quick-L.; this comba. w. water & forms slaked L. L. is used in mortars & cements, & in ✓ for breakg. up clay soils; in tanning for removing hair, &c.

Lime, ❀, **1]** fruit of *citrus acida* or *C. limetta*; Ind. & China; cultiv. in S. Eur. & West Ind.; yields L.-juice. **2]** The gen. *tilia*, esp. *T. parviflora*, or linden.

Lime-light, or Drummond L., prodcd. by directing jets of burning hydrogen & oxygen on to a ball of lime, making it incandescent; invented by Lieut. Thos. Drummond.

Limerick, inland co. of Munster, Irld., 1,064 s.m., 212,000 inh.; rets. 2 M.P.s. Chf. ⊙, L., on ⚓ Shannon; 48,500 inh.; bpric.; rets. 1 M.P.

Limestone, ⚒, pop. name for all rocks wh. have carb. of lime for basis.

Limitations, Statute of, ⚖, Act of Jas. I., limiting time within wh. suits or actns. can be brought: trespass, debt, or simple contract, 6 yrs.; assault, menace, or false imprisonment, 4 yrs.; slander, 2 yrs.

Limited Liability Company, a comp. in wh. the liab. of each shareholder is ltd. to amnt. of his share.

Limoges, chf. ⊙ of dept. Haute Vienne, Fr.; 60,000 inh.; bpric.

Limousin, Leonard, enamel ✱ of 16th cent.; porcelain works at Limoges.

Limpet, zool., pop. name for any mollusc of genus *patella*.

Linacre, Thos., ⚕, philol., & ✓, founder & presdt. of Roy. Coll. of Physicians, * 1460, † 1524.

Lincoln, Abraham, Amer. ⚖ & statesman, * 12/2 1809 Kentucky; Presdt. of U.S. 4/3 61, issued decree freeing all slaves 1/1 63, re-elected March 64, shot by J. W. Booth 14/4 65, † 15/4.

Lincoln, marit. co. of E. Eng.; 2,776 s.m., 472,000 inh.; rets. 7 M.P.s: Gainsboro', Brigg, Louth, Horncastle, Sleaford, Stamford, & Spalding. Chf. ⊙, L. (Rom. *Lindum*), on Witham; 88,000 inh.; bpric. since 7th cent., cathed. fnded. 1086, reblt. after fire 1126; rets. 1 M.P.

Lind, 1] Jenny, vocal., * 8/2 1820 Stockholm; first sang Berlin 44, retired fr. stage 49; m. Otto Goldschmidt 5/2 52, † 2/11 87 Malvern. **2]** Jas., Scot. ⚕ surg. & ✓, * 1716 † 94.

Lindau, 1] Paul, journ., ✆, nov. & misc. ✓, * 3/6 1839 Magdeburg fnded. *Gegenwart*. **2]** His bro., Rudolf, nov. ✓ * 10/10 1830.

Lindblad, A. F., ♫ comp., * 1804, † 25/8 78: songs.

Linde, S. B., philol., * 1771, † 1847. ✓ Polish Dictionary.

Linden, *v.* Lime.

Lindisfarne, *v.* Holy Island.

Lindley, John, ♂ /, * 5/2 1799 Norfolk, † 1/11 1865 London.

Lindner, Alb., ☉ & nov. /, * 24/1 1831 Sulza.

Lindpaintner, P. J., Germ. ♛, * 6/12 1791 Coblenz; direc. of Germ. opera Drury Lane, † 21/8 1858 Nonnenborn.

Lindsay, 1] or Lyndsay, Sir Dav., Scot. poet. & satir. /, * 1490, † 1557. 2] Robt., Scot. ♕ /, 16th cent.

Lindsey, Theophilus, Unit. †, * 1723, † 1808. Life by Badham.

Lindwood, Thos., †, bp. of St. David's & ♕ /, † 1446.

Line, 1] ⊖, the Equator. 2] Meas., $\frac{1}{12}$ inch. 3] ⚔ infantry. 4] ♕, family; lineage.

Linen, fabric woven fr. flax fibre.

Line-Engraving, method of engraving in which lines are cut into steel or copper by graver.

Ling, P. H., invtr. of massage, * 15/11 1776 Ljunga, † 3/5 1839 Stockholm.

Ling, ichth., sea-fish, *molva vulgaris*, of cod fam.

Lingard, John, R. Cath. † & ♕ /, * 1/2 1771 Winchester, † 13/7 1851 Hornby. Hist. of Eng. 19-31.

Lingg, Herm., Germ. poet. /, * 21/1 1820 Lindau.

Lingua Franca, Ital. = free tongue; hybrid lang. used esp. in Mediterranean.

Link, Eng. lineal meas. = 7·92 in. = $\frac{1}{100}$ chain. *v.* Gunter.

Linley, 1] Thos., ♛ & composer, * 1730, † 95. 2] His s., Thos., ♛, * 1756, drowned 88. 3] Wm., ♛ /, s. of 1, * 1771, † 1835.

Linlithgow, or West Lothian, Scot. co., on F. of Forth; 127 s.m., 44,000 inh.; rets. 1 M.P. Chf. ⊙, L.; 4,000 inh.

Linnæan Society, founded London 1788, incorporated 1802.

Linnæus (Linné), Carl, Swedish naturalist, * 24/5 1707 Rashult; prof. of physic & ♂ Upsala 40, † there 10/1 78. / "Systema Naturæ," "Species Plantarum," &c.

Linnell, John, landsc. & port. ●, * 1792 London, † 1882.

Linnet, ornith., *linota cannabina*, song-bird frequenting Europe S. of 64°, & Asia.

Linseed, ♂, seed of the flax plant, *linum usitatissimum*; yields L. oil und. pressure; residue made into oil-cake for cattle.

Linton, 1] Sir Jas. Drumgole, watr.-col. ●, * 1840; Vice-Presdt. of Inst. of ●s in Wat.-Col. 83, Presdt. 84, ktd. 85. 2] Wm., landscape ●, * 1812. 3] Eliza, *nee* Lynn, nov. & misc. /, * 1822 Crosthwaite; m. ♁ 58. 4] Wm. Jas., poet. & misc. /, & engraver, * 1812 Lond. / "♕ of Wood Engraving."

Linz, *v.* Godin.

Lion, zool., *felis leo*, carnivorous anim. of Afr. & S.W. Asia.

Lion & Unicorn, herald.: L. in Brit. royal arms represents Crown of England, U. that of Scotland.

Lipari Islands, the Æolian Isles, Italian volcanic group N. of Sicily; *ca.* 12,000 inh. Chf. isld., L.

Lipinski, Karl, violin., * 4/11 1790 Radzyn, † 16/12 1861.

Lippe-Detmold, Germ. prncip.; 445 s.m., 122,000 inh. Cap. ⊙, Detmold. *v.* Schaumburg-Lippe.

Lippi, 1] Fra Filippo, fresco ●, * 1412 Florence, † 9/10 69 Spoleto. 2] His s., Filippino, fresco ●, * 1458 Prato, † 1505 Florence.

Lipsius 1] (Lips), Justus, Belg. † & Latin schol., * 18/10 1547, † 23/3 1606. 2] Just. H., philol., * 9/5 1834 Leipzig.

Liqueur, alcohol, water, & sugar, flavoured.

Liquidambar, Liquidamber, ♂, gen. of trees of order *altingiaceæ*; yields resin-like storax.

Liquorice, 1] ♂ & pharm., *glycerrhiza*, esp. *G. glabra* & *G. echinata*. 2] Root of *abrus precatorius*.

Lira, Itl. coin = *ca.* 9½d. = Fr. franc.

Lisbon, Lisboa, cap. ⊙ Port., on ⚓ Tagus, 18 m. fr. sea; 255,000 inh.; earthqk. 1/11 1775, 60,000 lives lost.

Lisle, 1] Jos. Rouget de, Fr. ⊕ offr., ✓ of words of *Marseillaise*, * 10/5 1760, † 26/5 1836 2] Wm., Ψ & poet. ✓, † 1637.

L'Isle, John, Purit. statesm., * 1606; peer, fled to Switz. 60. shot 64 Lausanne.

List, Fried., Germ. econ. ✓, * 6/8 1789 Reutlingen, † by suic. 30/11 1846. "National System of Polit Economy" 41.

Lister, Martin, ♃ & nat. ♛ ✓, * 1638, † 1712. 2] Sir Jos., ♃, * 1827; introd. antiseptic system of surg., prof. at Edinburgh 69, at King's Coll. Lond. 3] Thos. Hy., novel & ☉ ✓, * 1801, † 42.

Listerism, ♃, antiseptic surgery. *v.* Lister 2.

Liston, 1] Jno., com. ☾, * 1776 Soho, † 1846. 2] Robt., Scot ♃, * 28/10 1794 Ecclesmachan, † 7/12 1847.

Liszt, Abbé Franz, Hung. pianist & ♅, * 22/10 1811 Raiding; abbe 65, Direc. of Hung. Acad. 75, † 31/7 86. Compd. symphs. & oratorios, *St. Elizabeth* 65, *Christus* 70–5.

Literature, Royal Soc. of, fnd. 1823 Lond.: 21, Delahay St., S.W.

Lithgow, Wm., Scot. traveller, walked 36,000 m. in Eur., Asia, & Africa, † 1640.

Lithium, ♁, soft metal, much like potassium; density 0·5936, at. wt. 7.

Lithofracteur, explos. compd. of nitro-glycerine 52, silica 30, carbon 12, nitrate of soda 4, & sulphur 2 pts.; explodes at 120°.

Lithography, art invtd. by Alois Senefelder *ca.* 1799, of drawg. or engraving on stone for printing Stone used is chfly. obtnd. from Bav. Design havg. been made, surf. of stone is treated with dilute acid, wh. eats away thin film, but leaves design slightly raised, from wh. impressions are taken. Picts. in sev. colrs. are prodcd. by printg. from sev. stones, ea. carrying those pts. of design wh. are of a partic. color.: called chromo-L.

Lithotomy, ♃, cutting out stone from bladder.

Lithotrity, ♃, breakg. up stone in bladder by instr. thro. urethra.

Litmus, ♃, a veget. colour obtnd. fr. *roccella tinctoria;* used as test for alkalinity or acidity. Acids change blue to red, alkalis change red to blue.

Litolff, H. J., Germ. pian. & ♅ comp. publr., * 6/2 1818 London.

Litre, Fr. meas. of capacity = 1·76077 pints = 61·02705 cub. inches. Decalitre = 10, hectol. 100, kilol. 1,000, litres. Decilitre = $\frac{1}{10}$, centil. $\frac{1}{100}$, millil. $\frac{1}{1000}$, litre. Hectol. = 2·75120 bushels, or 22·00966 gallons.

Litta, Pompeo, Ital. genealogist, * 1781 Milan, † 1852.

Little, 1] Wm., monk of Newboro' Abbey, * 1136, † 1208. ✓ of ♛ of Eng. 1066–1197. 2] Pseud. of Theo. Moore.

Little-go, at Cambridge Univ. a slang term for exam. of undergrads. in 2nd year.

Little John (John Nailor), companion of Robin Hood.

Little Masters, 16th & 17th cent. engravers' designers whose designs were on a small scale.

Littler, Sir John Hunter, Brit. offr. in Sikh War, * 1783, † 1856.

Littleton, or Lyttleton, 1] Thos., Judge of Comm. Pleas 1466 & ♃ ✓, † 81. 2] Edwd., Ld., descendt. of 1, * 1589 Mounslow; Sol.-Gen. 1634, Chf. J. of Comm. Pleas 40, Ld. Keeper 41, † 45. 3] Adam, † & Lat. lexicog., * 1627, † 94. 4] Edwd., † & poet, † 1734.

Littré, Paul Em., philol. ♃, * 1/2 1801 Paris, † there 2/6 81. ✓ *Dictionnaire Etymologique.*

Littrow, 1] J. J. v., ♃, * 13/3 1781; direct. of Observ. at Vienna, † there 30/11 1840. ✓. 2] His s., Karl L. v., ♃, * 18/7 1811 Kasan, † 16/11 1877 Vienna. 3] Heinr. v., Austr. ⚓ ✓, * 26/1 1820 Vienna.

Liver, the largest gland in hum. body, functn. of wh. is to secrete bile; weight *ca.* 4 lbs.

Liver Complaint, ♃, hepatitis; inflam. of liver, acute or chronic.

Liverpool, ⚓ ⊙ Lancs., on ⅄ Mersey, *ca.* 8 m. fr. sea; 580,000 inh.; 7 m. of docks & basins, w. water area of 5,828 acres, & 34 m. of quays. Value of expts. in 1886 £86,000,000, of impts. £89,000,000; tonnage of vessels frequtg. pt. in 86 8,370,000. Rets. 9 M.P.s: Abercromby, Everton, Exchange, Kirkdale, Scotland, E. Toxteth, W. Toxteth, Walton, & W. Derby divs.

Liverpool, Robt. Banks Jenkinson, 2nd E. of, statesm., * 7/1 1770; suc. 1808, Premier 12–27, † 4/12 28.

Liverworts, ✿, *hepaticæ*, group of flowerless plants.

Livingstone, David, † & travlr., * 19/3 1813 Blantyre; to Africa 40 as ✝ missionary, discd. Lake N'gami, crossed Afr. fr. ⅄ Zambesi to ⅄ Congo 53–4, re-crossed 54, discd. Victoria Falls, explord. ⅄ Zamb., discd. Lakes Shirwa & Nyassa 58–64, set out to disc. source of Nile 66, fnd. by Stanley at Ujiji 71, † 1/5 73 Ilala, C. Afr. ✓.

Livonia, Livland, Russ. govmt. on Baltic 1,125,000 inh.: Polish 1561, Sweden 1600, Russia 1721; Chf. ⊙ Riga.

Livre, anct. Fr. money of account = *ca.* 9½d.

Livy, or Livius, Titus Patavinus, Rom. ♛ ✓, * 59 B.C. Padua, † 17 A.D.

Lizard, zool., the ord. *lacertilia*; 2 Brit. specs., the Comm. L., *lacerta vivipara*, & the Sand L., *L. agilis*.

Lizard Point, Cornwall, most S. pnt. of Gt. Brit., 24 m. S.E. of Land's End.

Llama, zool., *auchenia glama*, a ruminant of S. Amer.; used as beast of burden.

Llandaff, ⊙ Glamorgan., Wales; 800 inh.; bpric. since 562, cathed. blt. 12th cent.

Llanos, grass-lands of S. Amer.

Llewellyn, or Ll. ap Gryffyth, last k. of Wales; slain by Eng. 11/12 1282.

Llorente, J. A., Span. ♛ ✓, * 30/3 1756; Sec. of Inquisit. 89, opposed. it 1808, † 5/2 23 Madrid.

Lloyd, 1] Wm., †, * 1627; bp. of St. Asaph, Lichfield, Worcester, † 1717. 2] David, biog. ✓, * 1625, † 91. 3] Robt., poet. & misc. ✓, * 1733, † 64. 4] Chas., poet & collab. w. Chas. Lamb, † 1839.

Lloyd's, ⚓, an assoc. of mrchts. in London for insuring ships, cargoes, &c.: so called from coffee-ho. kept by Edwd. L. in Abchurch Lane in 18th cent.

Lloyd's, The Austrian, assocn. of shipowners at Trieste; fnded. 1833. N. Germ. L., fnded. 1857 Bremen, is similar.

Llywarch-ken, Welsh prince & bard of 7th cent.

Llywarch LLew Cad, Welsh bard of 12th cent.

Loach, ichth., the fresh-water gen. *cobitis*, esp. *C. barbatula*.

Load-line, ⚓, line of flotation of a ship when fully freighted.

Loadstone, *v.* Magnetite.

Loam, a soil of clay & sand.

Loanda, St. Paulode, cap. ⊙ of Port. Angola, W. Afr.

Loango, ⚓ country of Lower Guinea, W. Afr.; *ca.* 400 m. Chf. ⊙, L.; 20,000 inh.

Lobau, G. Monton, Count de, Fr. genl., * 21/2 1770 Phalsbourg; captd. at ⚔ Waterloo, marsh. 1831, † 21/11 38 Paris.

Lobel, or **L'Obel,** Matthias, ✝ & ✿ to Jas. I., * 1538 Lisle, † 1616.

Lobelia, ✿, genus of flowering plants, esp. *L. dortmanna* & *L. urens*; common in Brit.

Lobo, Jeronimo, Jesuit miss. & travlr., * 1593 Lisbon; to Abyssin. 1624–33, to Ind. 40–38, † 78 Lisbon. ✓

Lobster, zool., a marine crustacean, *homarus vulgaris*, of family *astacidæ*.

Local Government Board, a committee of Priv. Counc. wh. controls the municipal & local govt. authorities, & reprts. on priv. Bills.

Local Option, principle of allowing a majority of rate payers in a locality to suppress liquor traffic.

Lochart, Alex., Scot. polit. & ♛ ✓, * 1675, † 1732.

Lock, Jas., topog. ✓, * 1780, † 1855.

Locke, 1] John, ♙, †, & polit. ✓, * 29/8 1632 Wrington; tutor to s. & grd.-son of 1st Ld. Shaftesbury, on Continent till 88, † 28/10 1704 Oates. "Letters on Toleration" 1689, 90, 92, "Two Treatises on Govt." 90, "Human Understanding" 90, "Thoughts Concerning Education" 93. 2] Joseph, ◎, * 1805, † 60. 3] Matth., ♛, * 1630 Exeter, † 77.

Locker, 1] Arthur, nov. & misc. ✓, * 2/7 1828 Greenwich; ed. of *Graphic* 70. 2] His bro., Fredk., poet. ✓, * 1821; "London Lyrics," ed. "Lyra Elegantiarum."

Lockhart, 1] John Gibson, misc. ✓, * 1794 Cambusnethan, † 25/11 1854 Edinb. "Anct. Span. Ballads" 24, Life of Scott 37–8. 2] Sir Geo., Scot. judge, murdrd. 1689. 3] Sir Wm., diplom. & genl., * 1621, † 75.

Lock-jaw, *v.* Tetanus.

Lockman, John, ✆ & misc. ✓, * 1698, † 1771.

Lockyer, Jos. Norman, ✕ & ♃, * 1836; F.R.A.S 60, F.R.S. 69, won Rumford medal 74. ✓.

Loco, Ital., ♛ = in (its proper) place; *i.e.*, retrn. to pitch as written.

Locrin, Brit. myth., father of Sabrina, & eldest son of Brutus.

Locum tenens, Lat. = (one) holding a place.

Locus in quo, Lat. = place in which; *i.e.*, the scene of an action.

Locus poenitentiæ, Lat. = place of repentance; ⚖, licence to recede from an agreement before it has been confirmed.

Locus sigilli, or L. S., Lat. = place of the seal (in documents).

Locus standi, Lat. = standing-place; *i.e.*, legal position or right.

Locust, zool., any insect of fam. *locustidæ*, of ord. *orthoptera*; esp *œdipoda migratoria* or *M. cinerascens*: allied to grasshoppers.

Locust-tree, ♣, 1] *robinia pseudacacia*. 2] *Ceratonia siliqua*; produces edible beans.

Lode, a Mineral Vein (*q.v.*).

Lodge, 1] Thos., ✆ ✓, * 1554, † 1625. 2] Edm., ♘ ✓, * 1756, † 1589.

Lodi, Khan Jehan, viceroy of Shah Jehan, Emp. of India; † in rebellion 1629.

Lodi, ⊙ Italy; 21,000 inh.: ✕ 10/5 1796, Aust. deftd. by Fr.

Loegria, Brit. myth. = England.

Loën, Aug. v., rom. ✓, * 27/1 1828.

Lofoden Islands, chain off N.W. coast of Norway, extndg. 170 m.; *ca.* 5,000 inh.; betw. Moskoenas & Moskoe is the Maelstrom.

Loftus, 1] Ld. Aug., diplom. & admin., 4th s. of 2nd marq. of Ely, * 1817; ambass. Vien. 58–60, Berl. 60–2, 66–8, Munich 62–5, N. Germ. Bund 68–71, St. Petersburg 71–9, govr. of N. S. Wales 79–85.

2] Dudley, Irish oriental. & ✍, * 1618, † 95.

Log, ⚓ apparatus for ascertaing. rate of ship's progress. The L. is a canvas bag wh. opens & fills with water when cast overbrd.; or a triang. piece of wood; or instrmnt. resmblg. screw of a steamer, a line being attached to it & to a dial on board. Particulars of progress, &c., are recorded in L.-book or ship's L.

Logan, John, †, poet., & misc. ✓, * 1748 Fala, † 88 London.

Logarithms, math., tables for simplifyg. cert. arithm. processes; the L. of a numb. being the exponent. of the power to wh. a fixed numb., the base, has to be raised to produce the given numb.: invntd. by Lord Napier of Merchiston 1614, imprvd. by Hy. Briggs 24.

Logau, Fried. v., poet. ✓, * 1604, † 21/7 55 Liegnitz.

Logerot, F., Fr. genl. & polit., * *ca.* 1832; Min. of War 87.

Logic, science of reasoning: divided into deductive or syllogistic, in wh. conclusions are inferred fr. 2 other proposns., called premises; & inductive, in wh. a general proposn. is inferred fr. a number of partic. propositions or facts.

Logria, Loegris (*q.v.*).

Logrono, prov. of Spain, part of old province Castile; 2,378 s.m., 180,000 inh. Chf. ⊙, L.; 12,000 inh.

Logwood, ✱, wood of *hæmatoxylon campechianum*, S. America; used as a red dye.

Lohardaga, Lohardugga, distr. of Chutia Nagpur, Brit. Ind.; 12,044 s.m., 1,250,000 inh. Chf. ⊙, Ranchi.

Lohengrin, Germ. myth., s. of Parsifal; hero of epic of *ca.* 1300.

Lohenstein, D. K. v., poet. & ✆ ✓, * 25/1 1635, † 28/4 83 Berlin.

Löhn-Siegel, Anna, ✆, rom., & poet. ✓, * 30/11 1830 Naundorf.

Loire, 1] ⅄ of Fr., flows 610 m. from Cevennes ⛰ into B. of Biscay. 2] Central dept. of Fr.; 1,838 s.m., 600,000 inh. Chf. ⊙, St. Etienne.

Loire, Haute, central dept. of Fr.; 1,916 s.m., 320,000 inh. Chf. ⊙, Le Puy.

Loire Inférieure, marit. dept. of Fr.; 2,654 s.m., 620,000 inh. Chf. ⊙, Nantes.

Loir-et-Cher, central dept. of Fr.; 2,452 s.m., 275,000 inh. Chf. ⊙, Blois.

Loiret, cent. dept. of Fr.; 2,614 s.m., 362,000 inh. Chf. ⊙, Orleans.

Loki, Scand. myth., the evil spirit.

Lollards, †, 1] Rom. C. assocn. at Antwerp; constd. an order 1472. 2] Followers of Wycliffe.

Lolli, Ant., Ital. violinist, * 1728 Bergamo, † 1802.

Lombard, Peter, or Peter the Lombard, †; prof. of † at Paris, bp. of Paris, † there 1164. ✓.

Lombardi, The, fam. of Venetian ⅄s & ⌂s of 16th cent.

Lombardic Architecture, debased Roman style prevalent in Lomb. after fall of Rome.

Lombardy, anct. name (fr. the Langobards, Germ. tribe in Italy in 6th cent.) of pt. of N. Italy betwn. Piedmont & Venice; now provs. of Bergamo, Brescia, Como, Cremona, Mantua, Milan, Pavia, & Sondrio.

Lombok, Dut. island of East. Archipel.; *ca.* 1,500 s.m., 200,000 inh.

Loménie, L. L. de, Fr. biog. ✓, * 1818 St. Yriex, † 2/4 71 Mentone.

Lomi, fam. of Pisan ⌂s of 16th & 17th cents.

Lomond, Loch, Scot. lake; 25 m. by 1–7 m. Ben L., *v.* Ben.

London, cap. ⊙ of Eng. & metrop. of U. Kngdm. & Brit. Emp., on both banks of ⅄ Thames, *ca.* 45 m. fr. sea. "City" 668 acres, within or just without site of old Rom. walls; 50,526 inh. in 1881, but 156,859 in 1801. City of Westminster, 46,549 inh. Lond. proper, the distr. covd. by Reg.-Genl.'s wkly. rets., 75,334 acres, 3,816,483 inh. in '81, against 3,254,260 in '71: in Middsx. 31,499 a., 2,550,556 inh.; Surrey 22,472 a., 980,522 inh.; Kent 21,363 a., 285,405 inh. "City" govd. by Ld. Mayor & anct. Corporatn.; rest of Lond. und. Metrop. Bd. of Wks., vestries being subord. authorities. Metrop. Police District 440,891 a., 4,716,009 inh. in '81, agst. 3,810,744 in '71; police controlled by Govt. Impts. '86 £128,008,767, expts. £46,125,495, Customs reven. £10,522,422. St. Paul's Cathed. fnded. *ca.* 600, present bldg. begun 1675, completed 1710 by Wren; Westm. Abbey rebuilt by Edwd. Confessor *ca.* 1065, & by Hy. III. 13th cent., Hy. VII.'s Chap. added 15th cent., 2 W. towers finished by Wren. Temple Ch. blt. 1185, choir 1240, restrd. 1839–42. Tower of L., 12 acres, begun *ca.* 1078; Westmr. Hall blt. 1397; Houses of Parlt. (Barry ⅄), fnded. 27/4 1840, Old Pal. of Westm. havg. been brnt. 16/10 34; Mansion Ho. 1739–53 (Dance ⅄); Guildhall fnded. 1411, present front & roof blt. 1865–8; Roy. Exchange fnded. 1570, present bldg. 1844 (Tite ⅄); Bank of Eng. fnded. 1694, present bldg. dates from end of 18th cent. (Soane ⅄); Nat. Gallery 1832; Brit. Museum 1753–1857 (Smirke chf. ⅄); S. Kensing. Mus. fnded. 1855 (A. Waters ⅄); Bethnal Green Mus. 1872; Pal. of Justice, or Law Courts, 1868–84 (G. E. Street ⅄); Albert Hall 1871 (Col. Scott ⅄); St. James's Pal., Buckingham Pal.,

Whitehall, Kensington Pal., Lambeth Pal. (Archbp. of Cant.); Govt. offices. *Parks:* Hyde, Regent's, St. James's, Green, Battersea, Victoria, Kennington, Finsbury. Monument, 202 ft., to commem. Gt. Fire; Nelson Column, 176½ ft. Nine bridges over Thames: London, Southwark, Blackfriars, Waterloo, Westminst., Vauxhall, Chelsea, Albert, Battersea, in additn. to railway bridges; Thames Tunnel 1825–43 (Brunel ⚙), & subway. Bpric. fnded. 609; Univ. fnded. 1826. kwn. to Roms. as Londinium; made cap. ⊙ of Eng. by Alf. Gt.; recvd. charters fr. Wm. I. & Hy. I.; plague 1349 & 61; Gt. Fire 1666, devastd. 336 a., destyd. 13,200 hos., 90 chs.; Gordon riots 1780; Tooley St. Fire 1861. Rets. 40 M.P.s: City 2, Westm. 1, Bethnal Grn. 2, Finsbury 3, Hackney 3, Islington 4, Kensington 2, Marylebone 2, Paddington 2, St. Pancras 4, Shoreditch 2, Tower Hamlets 7, Chelsea, Fulham, Hammersmith, Hampstead, St. George's Hanover Sq., & Strand 1 each.

London, ⊙ Ontario, Canada; 22,000 inh.

London Clay, ⚒, bed of tough clay of Lower Eocene; in some places 500 ft. thick; comes to surface at Highgate, Bognor, &c.

London Congregational Union, estabd. March 1873.

London Institution Library, fnded. 1806; 1st lib. R. Porson.

London Library, estabd. 1/5 1841; 12 St. James's Sq. Subs. £2.

London Pride, ❀, *saxifraga umbrosa.*

London-Stone, central milestone of anct. Rom. Lond., fr. wh. high-roads radiated; now in wall of St. Swithin's, Cannon Street.

Londonderry, marit. co. of Ulster, Irlnd.; 816 s.m., 165,000 inh.; rets. 2 M.P.s, N. & S. Formly. called Derry, until in 1619 large pt. of the land was made over to London Coys. Chf. ⊙, L., on ⚓ Foyle; 29,000 inh.; bpric.; rets. 1 M.P.; siege 20/4–30/7 1689.

Londonderry, 1] Robt. Stewart, marq. of (Visct. Castlereagh), statesman, ✶ 18/6 1769 Mount Stewart; Chf. Sec. for Ir. 98, For. Sec. 1812, † by suic. 12/8 22 Foot's Cray, Kent. 2] Charles Wm. Stewart, marq. of, diplomat. & ✍, ✶ 1778 Dublin, † 1854.

Long, 1] Edwin, ●, ✶ 1839; A.R.A. 76, R.A. 82. 2] Geo., class. schol. & ✍ ✓, ✶ 1800 Lancash.; ed. *Penny Cyclo.*, † 79. 3] Edw., ✍ & misc. ✓, ✶ 1734, † 1813. 4] Thos., Nonconf. † & ✓, ✶ 1621, † 1700.

Long, Loch, W. coast of Scot., 24 m. long, fr. 1 to 2 m. broad.

Long Island, off coast of New York, U.S.A.; 1,680 s.m., 760,000 inh.

Long Meg and her Daughters, anct. stones at Little Salkeld, Cumberland.

Long Parliament (Eng.), 3/11 1640–20/4 53.

Longan, ❀. fruit of *euphoria longanum;* India & China.

Longchamp, Wm. de, † & statesm., Chanc., bp. of Ely, &c., imprisd. archbp. of York, deposd. 1191, restored, † 97.

Longfellow, Hy. Wadsworth, Amer. poet. & rom. ✓, ✶ 27/2 1807 Portland, Maine; prof. of mod. langs. Bowdoin Coll. 29, ditto Harvard 35, 4 times to Europe, † 24/3 82. "Outre Mer" 35, "Hyperion" 39, "Voices of the Night" 41, "Ballds. & oth. Poems" 42, "Poems on Slavery" 43, "Span. Student" 45, "Poets & Poetry of Europe" & "Belfry of Bruges" 47, "Evangeline" 48, "Kavanagh" 49, "Seaside & Fireside" & "Golden Legend" 51, "Hiawatha" 55, "Miles Standish" 58, "Tales of a Wayside Inn" 63, "Flower-de-Luce" 66, transl. of "Divina Commedia" 67–70, "New England Tragedies" 69, "Divine Tragedy" 71, "Three Books of Song" 72, "Aftermath" 73, "Hanging of the Crane" 74, "Masque of Pandora" 75, "Poems on Places" 77.

Longford, co. of Leinster, Ireld.; 420 s.m., 60,000 inh.; rets. 2 M.P.s, N. & S. Chief ⊙, L.

Longford, Wm. Lygon Pakenham, Ld., ⚔ offr. & statesm., * 1819; in Crim. War, suc. 60, Und. Sec. for War 66–8, † 19/4 87.

Longhena, B., Ven. ⚠, 17th cent.

Longhi, Gius., etcher, * 13/10 1766 Monza, † 2/1 1831 Milan.

Longicornes, entom., sub-sect. of beetles, sect. *tetramera*, found in timber imported from tropics.

Longinus, Dionysius Cassius, Grk. ✍, * 213, exectd. by Aurelian 273 Rome. ✓.

Longland, or Langland, 1] Jno., †, * 1473; bp. of Linc., † 1547. 2] *v.* Langlande.

Longley, Chas. Thos., †, * 1794; head-mastr. Harrow 1829, bp. Ripon 36, of Durham 56, archbp. York 60, Canterbury 62, † 27/10 68.

Longman, Wm., ♛ ✓ & publshr., * 1813; partnr. in L. & Co. 39, † 77.

Longobardi, Niccolo, Jesuit missionary to China, & ✓, * 1565 Sicily, † 1655 Pekin.

Longpérier, Adrien de, Fr. Ψ, * 1816 Paris, † 82.

Lönnrot, E., Finnish ✓, * 9/4 1802 Sammatti, † 28/4 87 Helsingfors. *v.* Kalewala.

Lonyay, M., Count von, Hung. statesm., * 6/1 1822; Min. of Fin. 67, Hung. Premier 71–72.

Loo Choo Islands, group of *ca.* 85, S. of Japan, added to Jap. Emp. 1879; 170,000 inh.

Loom, *v.* Weaving.

Loon, *v.* Diver & Pygopodes.

Lope de Vega, *v.* Vega.

Lopez, Francisco Solano, Dictator of Paraguay 1862–70, * 24/7 27 Asuncion, † in ⚔ 1/3 70 Aquidaban.

Loquat, ✿, fruit of *eriobotrya japonica* of Japan & China.

Lord, general title of peers & cert. high offrs. of State, bps., & (by courtesy) of all sons of dukes & marquises & eldest sons of earls.

Lords, House of, *v.* British Parliament.

Loredano, patric. fam. of Venet. statesm. of 15th, 16th, & 17th centrs.

Lorenz, O., Austr. ♛ ✓, * 1832 Iglau; prof. at Vienna 60.

Lorenzo de Medici, *v.* Medici.

Lorenzo, Don Monaco, or L. di Giovanni, Flor. ♥, 15th cent.

Loretto, Loreto, ⊙ of Ancona, Italy; 8,000 inh.; church, Santa Casa, visited by pilgrims.

L'Orient, Fr. ⚓ ⊙ in Morbihan; 25,000 inh.

Loris, *zool.*, a lemur, *loris gracilis*; India & Ceylon. Slow L., *nycticebus tardigradus*.

Loris-Melikoff, Mich., Count, Russ. genl., * 1/1 1826; captd. Kars 77, Min. of Int. 80–81.

Lorne, Jno. Geo. Doug. S. Campbell, marq. of, eld. son of duke of Argyll, admin. & ✓, * 1845; M.P. 68–78, m. Pr. Louise 21/3 71, Gov.-Genl. Canada 78–83.

Lorraine, Claude, *v.* Claude.

Lorraine, Lothringen, w. Alsace prov. of Germ. Emp.; 2,258 s.m., 460,000 inh.; chief ⊙, Metz; part of anct. Germ. duchy of L., fnded. 855: Fr. 1552–59, 1632–59, 1766–1871.

Lorris, Guill., 13th cent. poet, ✓ of "Roman de la Rose" (transl. by Chaucer).

Lortzing, G.A., ♫ comp., * 23/10 1803 Berlin, † 21/1 51.

Lory, ornith., the gen. *lorius* of short-tailed parrots, Malay Archipelago.

Lot, dept. of S. Fr.; 2,012 s.m., 277,000 inh. Chf. ⊙, Cahors.

Lot, Parson, pseud. of C. Kingsley.

Lot-et-Garonne, dept. of S. Fr.; 2,067 s.m., 317,000 inh. Chief ⊙, Agen.

Loth, Otto, German orient., * 1844 Meissen, † 81.

Lothaire, 1] I., 4th Emp. of Germ., s. of Louis le Débonnaire, * *ca.* 795; suc. 840, † 855 Prum. 2] II., German Emp., * 1065; acc. 1133, † 3/12 37 Fussen.

Lotheissen, Ferd., ♛ ✓, * 20/5 1833 Darmstadt, † 87.

Lothrop, Amy, pseud. of Anna B. Warner.

Lotus, ✿, 1] the gen. *nelumbium*, water-lilies. 2] *Zizyphus lotus*. 3] A genus of *leguminosæ*, incldg. Bird's-foot Trefoil.

Lotze, Rud. Herm., Germ. ♁, * 21/5 1817; prof. Gottingen 45, & Berlin, † there 1/7 81.

Loubet, Em., Fr. polit., * 1838 Marsanne; Min. of Works 87.

Loudon, 1] J. C., Scot. lndscp. gardnr. & ✍ /, * 1783, † 1843. 2] His w., Jane, misc. & ✍ /, * 1800, † 58.

Loughborough, *v.* Wedderburn.

Louis, 18 kings of Fr. 1] I., *Débonnaire*, son of Charlemagne, * 778, † 840. 2] IV., *D'Outremer*, * 921, † 54. 3] V., *Fainéant*, * 966, † 87. 4] VI., *Gros*, * 1078, † 1137. 5] VII., *Jeune*, * 1120; divorced Eleanor, aftwds. Q. of Hy. II. of England, † 80. 6] IX., * 1215, † 70; canonised 97. 7] X., 1314–16. 8] XI., * 1423, † 83. 9] XII., * 1462; deftd. by Hy. VIII. ⚔ of Spurs 1513, m. Hy.'s sister **Mary**, † 15. 10] XIII., *Juste*, * 1601; suc. 10, † 43. 11] XIV., *Grand*, s. of L. XIII., * 1638; suc. 43, † 1715 Versailles. 12] XV., *Bien-aimé*, * 15/2 1710 Fontainebleau; grt.-grnds. of L. XIV., suc. 51, lost Fr. Canada to Eng., † 10/5 74. 13] XVI., grnds. of L. XV., * 23/8 1754 Versailles; m. Marie Antoinette 70, suc. 74, deposed 10/8 92, exectd. 21/1 93. 14] XVII., s. of L. XVI., * 1785, † in prison 4/6 95. 15] XVIII., bro. of 13, * 17/11 1755; proclmd. k. 1814, † 16/9 24. 16] I., k. of Port., * 31/10 1838; suc. 61, m. **Maria Pia**, d. of Victor Emm. 62.

Louis, Germ. sovgns., *v.* Ludwig.

Louis Philippe, k. of the Fr., neph. of L. XVI. & s. of Duke of Orleans, *Égalité*, * 6/10 1773 Paris; elect. by Fr. Assem. 1830, abdic. 48, † 26/8 50 Claremont.

Louis-d'Or, old Fr. gold coin = 24 francs, introd. by L. XIII. 1640.

Louise, 1] Car. Alb., Pcess., 4th dau. of Q. Victoria, * 18/3 1848; m. 21/3 71 to marq. of Lorne. 2] A. W. A., Q. of Pruss, d. of dk. of Meck.-Strel., * 10/3 1776 Hanover; m. 98 to Pr. Fredk. Wm. (III.), † 19/7 1810; moth. of Empr. Wm. of Germ.

Louisiana, one of U.S.A., colon. by Fr. 1699, bought by U.S. 1803, adm. to Union 12, seceded 61, restored 65; 41,346 s.m., 1,000,000 inh. Cap. ⊙, New Orleans.

Louisville, ⊙ Kentucky, U.S.A., on Ohio ⚓; 150,000 inh.

Louse, entom., the genus *pediculus*; 3 specs. parasit. on man: *P. corporis* or *vestimentarum* (body L.), *P. capitis* (common L.), *P. pubis* (crab L.).

Louth, marit. co. of Leinster, Ireland; 315 s.m., 78,000 inh.; rets. 2 M.P.s, N. & S. Chief ⊙, Drogheda.

Louvain, Lowen, Belgian ⊙; 36,000 inh.; univ. fnded. 1426, bells.

Louvet de Couvray, J. B., Fr. /, * 11/6 1760 Paris, † there 25/8 97. "Avent de Faublas."

L'Ouverture, *v.* Toussaint.

Louvois, Franç. Michel le Tellier, marq. de, Fr. statesm., * 18/1 1641 Paris; disgraced, † 16/7 91.

Lovage, ✿, the gen. *ligusticum*; 2 Brit. specs., both edible.

Lovat, Simon Fraser, Ld., * *ca.* 1676 near Inverness, exec. 9/4 1747 for participtn. in rebellion of 45.

Love, Jas., ✍ /, † 1774.

Love-birds, ornith., gen. *agapornis* of sm. parrots; S. Amr. & Afr.

Lovelace, Richd., poet. /, * 1618 Kent, † 58 London. "To Althea," &c.

Lovell, Geo. Wm., ✍ /, * 1804, † 78. His wife wrote *Ingomar*.

Lover, Saml., Irish novel., poet, * 1797 Dubl., † 6/7 1868. / "Legds. & Stories of Ireland" 32. "Rory O'More" 37. "Songs & Ballads" 39, "Handy Andy" 42, "Metrical Tales" 60.

Lovibond, Edwd., poet. /, † 1775.

Lovini, *v.* Luini.

Low Church Party, †, the Evangelicals of the Anglican Ch.

Lowder, Chas. Fuge, † & philanth., * 1820; vicar of St. Peter's, London Docks, 66, † 80.

Lowe, 1] John, ballad /, * 1750, † 98. 2] Sir Hudson, ⚔ offr., * 1769 Galway; govr. of St. Helena during Napol. I.'s captiv., charged

with miscond., charges refuted, † 10/1 1844. 3] Robt., *v.* Sherbrooke.

Löwe, 1] large fam. of Germ. ♁s. 2] Karl, ♪ comp., * 30/11 1796, † 20/4 1869 Kiel. ∕.

Lowell, 1] Jas. Russell, Amer. poet. & misc. ∕, & dipl., * 22/2 1819 Cambridge, Mass.; s. of founder of L. Inst., Boston; prof. mod. langs. Harvard 55, Min. to Spain 77, to Grt. Brit. 80–84. "A Year's Life" 41, "Poems" 44, "Old Poets" 45, "Poems," "Vision of Sir Launfal," "Biglow Papers," & "A Fable for Critics" 48, "Fireside Travel" 64, "Under the Willows" & "Cathedral" 69, "Among my Books" 70 & 76, "My Study Windows" 71, "Keats" 73, "The Rose" 80, &c. 2] Maria, *née* White, poet. ∕, * 1821 Waterton; marr. 1 44, † 53.

Lowell, ⊙ of Mass., U.S.A.; 65,000 inh.

Löwen, *v.* Louvain.

Lower, Mark Anth., topog. & misc. ∕, * 1813, † 76

Lowndes Professorship, a prof. of ✱ & geom. fnded at Camb. by Thomas Lowndes 1749.

Lowndes, Wm. Thos., bibliog., † 1843.

Low Sunday, †, 1st S. aft. Easter

Lowth, 1] Robt., †, * 28/11 1710 Buriton; prof. of poetry Oxford, bp. of St. David's, Oxfd., London, † 3/11 87 Fulham. ∕ "Hebrew Poetry" 53. 2] Hist., Wm., class. schol. & †, * 1661, † 1732.

Loxodromic Line or Curve, *v.* Rhumb Line.

Loyola, Ignatius de, ✕ & †, * 1491 Loyola; wound. in siege of Pampeluna 1521, & devtd. life to relign.; fnded. Socy. of Jesus (*v.* Jesuits) 34, † 31/7 56 Rome; canond. 1622.

Loyson, *v.* Hyacinthe.

Lozère, dept. of S. Fr.; 1,906 s.m., 140,000 inh. Chf. ⊙, Mende.

Lubbock, 1] Sir John Wm., 3rd bart., math., ✱, & banker, * 1803; F.R.S. 29, † 65. 2] Sir John, 4th bart., Ψ & zool. ∕, polit., & banker, * 30/4 1834; M.P. 70, carried Bank Holidays & Anct. Monumts. Acts, Presdt. Brit. Assocn. 81.

Lübeck, free ⚓ ⊙ of Germ. Emp., on ⚓ Trave; 55,000 inh. Cap. of State of same name, 127 s.m., 65,000 inh.

Lubowski, Ed., Pol. rom. & ♁ ∕, * 1840 Cracow.

Lucan (Marcus Annæus Lucanus), Rom. poet. ∕, * 39 Corduba, † by suic. 65. *Pharsalia.*

Lucar, Cyril, †, * 1572 Candia; travd. in Eng., Patriarch of Constantinople, gave Alex. MS. to Chas. I. (*v.* Codex), † 1638.

Lucas, 1] Chas., Irish polit., * 1713, † 71. 2] Fredk., polit. & journ. ∕, * 1812; founded *Tablet*, † 55. 3] Richd., †, * 1648, † 1715. 4] Saml., journ. ∕, * 1818; ed. *Once a Week*, † 65. 4] Ed., Germ. ✱, * 19/7 1816, † 24/7 82. ∕.

Lucasian Professorship, a prof. of math. at Camb.; founded 1663 by Hy. Lucas.

Lucayos, *v.* Bahamas.

Lucca, prov. of Italy; 577 s.m., 290,000 inh. Cap. ⊙, L.

Lucca, Pauline, ♁ vocalist, * 25/4 1840 Vienna; m. (1) Baron v. Rohden 65, (2) Herr v. Wallhofen.

Lucchesini, G., marq. de, Pruss. diplom. & stateam., * 1752 Lucca, † 19/10 1825.

Lucerne, canton of Switz.; 580 s.m., 135,000 inh. Chief ⊙, L.; 16,000 inh. Lake 22 m. long.

Lucerne, ✱, a clover-like fodder-plant, *medicago sativa.*

Luci, Richd. de, Eng. genl. & stateam., † 1179.

Lucian, Grk. satirical ∕, * 120 Samosata, † 200. "Dialogues."

Lucifer, ✱, anct. name for Venus as the Morning Star.

Luciferians, †, followers of Lucifer, bp. of Cagliari, who refsd. to commune with Arians; 4th cent.

Lucilius, Caius, Rom. satir. ∕, * 148 B.C., † 103 B.C.

Lucius, St., prince of 2nd cent.; blt. 1st church in Brit., Llandaff.

Lucius, name of 3 Popes.

Lucius, Robt., Pruss. stateam., * 20/12 1835 Erfurt; Min. of ✓ 79.

Lucknow, 1] divsn. of Oudh, Brit. Ind., incldg. distrs. of L., Unao, & Bara Banki; 4,480 s.m., 2,350,000 inh. 2] Distr. of 1; 965 s.m., 790,000 inh. 3] Cap. ⊙ of 1 & ☾, & of prov. of Oudh; 13 s.m., 265,000 inh.; besieged by rebs. 1/7–19/11 1857, by Brit. 1/1–21/3 58.

Lucksbmi, or Luxmee, Hindu goddess of fortune, w. of Vishnu.

Lucretia, Rom. matron whose rape by Sextus led to fall of monarchy 510 B.C.

Lucretius (Titus Lucretius Carus), Rom. ♁ poet. ✓, * *ca.* 95 B.C., † *ca.* 52 B.C. *De Rerum Naturâ.*

Lucullus, Lucius Licinius, Rom. genl., * *ca.* 110 B.C.; conqd. Mithridates, † 57; noted *gourmet.*

Lucus a non lucendo, a Lat. etymol. pun, wh., assuming that *lucus* is dervd. fr. *lucere*=to shine, supposes that a wood must be so called from the absence of light. Hence, a derivation by contrary.

Lucy, Hy. W., journ. & nov. ✓, * 5/12 1845 Crosby; ed. *Daily News* 86–87. "Diary of 2 Parlts.," "Gideon Fleyce," &c.

Lud, a myth. k. of Brit.

Luddites, gang of riotous operatives in Brit. Midland cos. 1811–18.

Luden, H., Germ. ✍ ✓, * 10/4 1780, † 23/5 1847 Jena.

Ludhiana, district of Panjab, Brit. Ind.; 1,368 s.m., 580,000 inh. Chief ⊙, L.

Ludlow Formation, ⚒, upper divsn. of Silurian, incl. Upper L. & Lower L. beds, former of wh. is oldest known formatn., contg. many fossil fishes; Shropsh. & Herefordsh.

Ludlow, Edmd., Purit. polit., * 1620; 1 of judges of Chas. I., † 93.

Ludwig (Germ.=Louis), 1] I., k. of Bavaria, * 25/8 1786 Strasburg; suc. 1825, patr. of art, ✓; abdictd. 19/3 48, † 29/2 68 Nice. 2] His neph., II., k. of Bav., * 25/8 1845; suc. 10/3 64, patr. of Wagner, depos. as insane 10/6 86, † by suic. 13/6 86 Starnberg. 3] L. Wm. I., margrave of Baden, ✠, * 8/4 1655; suc. 77, † 4/1 1707. 4] I., Grd. Dk. of Hesse, * 14/6 1753; suc. 90, † 6/4 1830. 5] II., Grd. Dk. of Hesse 1830–48. 6] III., Grd. Dk. of Hesse 1848–77. 7] His neph., IV., * 12/9 1837; m. 1/7 62 Alice, dau. of Q. Victoria († 14/12 78), suc. 77. 8] L. Fredk., P. of Prussia, * 18/12 1772, † in ✠ 10/10 1806 Saalfeld.

Luff, ⚓, to sail nearer the wind.

Lugano, Swiss ⊙ on Lake L. (20 m. × 1½ m.); 7,000 inh.

Lugger, ⚓, vessel w. 2 or 3 masts carrying sq. lug-sails on ea.

Lugo, prov. of N.W. Spain, pt. of old prov. of Galicia; 6,088 s.m., 412,000 inh. Chf. ⊙, L.; 22,000 inh.

Lug-worm, or Lob-worm, zool., a coast worm, *arenicola piscatorum.*

Luini, or Lovini, Bernardino, Ital. ✎, * 1470 Luino, † *ca.* 1530.

Lukin, Lionel, Lond. coachbldr. who invntd. lifeboat, * 1742, † 1834.

Lulli, G., ♪, * 1633 Florence; to Paris, † there 22/3 87.

Lumbago, ✗, spec. of rheumatism, chfly. affectg. loin-muscles.

Lump-sucker, or Lump-fish, ichth., the gen. *cyclopterus,* esp. *C. lumpus,* of Brit. coasts.

Lumsden, 1] Major-Genl. Sir P. Slark, * 1829 Aberdeen; comsr. for demarc. of Afghan boundary 85. 2] Matth., orientalist, * 1777, † 1835.

Lunar Caustic, ☾, $AgNO_3$, nitrate of silver fused at low heat; used in surgery.

Lunar Month, 29 days, 12 hrs., 44 m., 3 secs.: time of moon's revolution round earth. *v.* Calendar.

Lundy Island, at mouth of Bristol Chan.; 3 s.m.; lighthouse.

Lunghi, Martino, 16th cent. ▲, Rome.

Lungs, *v.* Respiration.

Lupercalia, Rom festival (15/2) in honour of Pan.

Lupine, ✿, gen. of papilionaceous plants, esp. *lupinus albus* & *L. varius* of Brit. gards.

Lupton, Daniel, † ✓, 17th cent.

Lupus (Lat.=Wolf), ✱, anct. S. constell. betw. Centaurus & Ara. 2] a malignant skin disease.

Luraghi, or Lurago, Rocco, ▲, † 1590 Genoa.

Lurcher, var. of dog; orig. a cross betw. sheep-dog & greyhound, modifd. by further cross w. spaniel.

Lush, Sir Robt., ⚖, * 1807 Salisbury; Q.C. 57, Just. of Q.'s Bench 65, Ld. Just. of Appeal 80, † 81. /.

Lusiades, Os, *v.* Camoens.

Lusignan, Guy de, *v.* Guy de L.

Lusitania, anct. name Portugal.

Luska, Sidney, pseud. of Harry Harland, Amer. nov. /, * 1862.

Lustrum, period of 5 years.

Lusus naturæ, Lat.=freak of nature.

Lute, 1] 🎸 instr. of guitar fam., supersed. by guitar & harp. 2] ⚗, a compositn. to secure joints of ⚗ vessls. & tubes, or as protect. fr. fire.

Luther, Martin, reform. †, * 10/11 1483 Eisleben; priest 07, prof. of † Wittenberg 08, nailed 95 theses agst. Sale of Indulgs. to door of Wittenberg church 31/10 17, excomd. 15/6 20, at Diet of Worms 21, hidden by friends in Wartburg, ret. to Wittenberg 22, m. Cath. v. Bora 25, views embod. in Augsburg Confession 30, transltd. Bible into Germ., † 18/2 46 Eisleben. /.

Lüttich, *v.* Liége.

Luttrell, Henry, poet. /, * 1770, † 1851.

Lützen, Pruss. ⊙; 3,300 inh.; ⚔s 16/11 1632, 2/5 1813.

Lützow, L. A. W. Bar., Germ. patr. & ⚔, * 18/5 1782; raised volunteers 1813, † 6/12 34.

Luxemburg, distr. of Cent. Eur., frmrly. Germ., now divd. between Belg. & Holl. Belg. L., 1,706 s.m., 212,000 inh.; chf. ⊙, Arlon. Dutch L. (indept. Gd. Duchy since 1867), 990 s.m., 206,000 inh.; cap. ⊙, L.; Gd. Dk., k. Wm. of Holland.

Luxemburg, Franç. H. de Montmorency, duc de, Fr. genl., * 8/1 1628, † 4/1 95.

Luynes, Chas., duc de, Fr. genl., * 1578; Constable of Fr., † 1621.

Luyon, *v.* Philippine Islands.

Luyula, *v.* Wood-rush.

Lwoff, Alex., 🎹 & violin., * 25/5 1799 Revel, † 28/12 1870. Compd. Russ. Hymn.

Lyall, Willm. Rowe, † & /, * 1788; Dean of Cant., edit. of *British Critic* 1815, "Ency. Metrop." 20, † 57.

Lychnis, ❀, gen. of plants of ord. *caryophyllaceæ*, incl. corn-cockle.

Lycidas, name given to Edwd. King by Milton in poem.

Lycopodiaceæ, ❀, Clubmosses, order of *acrogens*.

Lycurgus, Spartan lawgiver, *ca.* 9th cent. B.C.

Lydgate, John, Eng. poet. /, * 1375, † 1460.

Lydian Stone, ⊕, brownish-black rock of crystall. quartz mixed with oxide of iron & clay, &c.; formrly. used as a touchstone.

Lye, ⚗, solution of an alkali, used in soap-makg., for cleansg., &c.

Lye, Edward, Saxon & Gothic schol., * 1704, † 67.

Lyell, Chas., ⚒, * 14/11 1797 Kinnordy; F.R.S. 1826, ktd. 48, bart. 64, † 22/2 75 London. "Principles of ⚒," "⚒ Evidences of Antiq. of Man."

Lyly, *v.* Lilly.

Lyme Grass, ❀, the gen. *elymus*.

Lymphatic Glands, anatomy, organs for transmission of lymph, their chief use being to render the materials which they absorb more fit for introd. into the blood.

Lymphatic Vessels, anatomy, vessels wh. convey to the blood, in solutn., matters dervd. from wear & tear of vessels, or from outside.

Lynch, John, Welsh schol., * *ca.* 1599, † *ca.* 1674. /.

Lynch Law, summary mob justice: from James L., Virginian farmer of 17th cent. who took law into his own hands.

Lynde, Sir Humph., /, * 1579, † 1636.

Lyndhurst, John Singleton Copley, Ld., ⚖, * 21/5 1772 Boston, U.S.; s. of J. S. Copley (*q.v.*); Sol.-Genl. 1819, Att.-Genl. 24, Master of

Rolls 26, Chanc. 27, 34, 41, † 12/10 68 London.

Lyne, J. L., *v.* Ignatius.

Lynedoch, T. Graham, Ld., Brit. genl. in Penins. War, * 1750, † 1843.

Lynn Regis, *v.* King's Lynn.

Lynx, zool., the gen. *lynceus* of carniv. anims. of cat fam.; 1 spec., caracal, in Asia; sevl. in Eur. & N. Amer. The Common L., *felis lynx*, Scand., Russ., & ▲s of Cent. Eur.

Lynx, ♓, a N. constell betw. head of Ursa Major & star Capella.

Lyon King-of-Arms, *v.* Heraldry.

Lyonnais, old prov. of Fr. nearly corresp. w. depts. of Rhone & Loire.

Lyons, Lyon, Fr ⊕ ⊕ on ⚓ Saone & Rhone; 350,000 inh.; silk, univ., archbpric.

Lyons, 1] Edmd. L., 1st Bar, ♁ offr., * 21/11 1790; at Navarino & in Crim. War, com.-in-chf. of fleet June 1855, † 23/11 58 **2]** Richd. Bickerton Pemell L., Visct., son of **1**, diplom., * 1817; Min. to U.S.A. 58, amb. at Constantin. 65, Paris 67–87, retired, † 5/12 87 Lond.

Lyra, the Lyre, ♓, N. constell., contns. large star Vega, w. others; in all 166.

Lyre, ♆, anct. stringed instrmt. of Grks. & Egypts., origlly. struck w. fingers or w. *plectrum*; at first 3 strings, increased to 7, 11, & 16.

Lyre Bird, ornith., the gen. *menura* of Austral.; male has lyre-shaped tail: only 2 specs., *M. superba* & *M. Alberti*.

Lysander, Spartan genl., † 395 B.C. at ⚒ Haliartus.

Lysias, Attic orator, * 459 B.C., † 378.

Lysimachus, genl. of Alex. the Grt., † in ⚒ in Phrygia 281 B.C.

Lysippus, Grk. ♋, *ca.* 330 B.C. *Laocoon* (?).

Lysons, 1] Saml., ♆ ✓, * 1763, † 1819. **2]** Danl., ♆ ✓, * 1760, † 1834.

Lyte, Hy. Franc., † ♁ hymn-✓, * 1793, † 1847. "Abide with me."

Lythraceæ, ♨, ord. of plants, incldg. Purple Loosestrife.

Lyttleton, 1] Geo. Wm. L., Bar., schol., ✓, & philanth., * 1817; Und. Sec. for Colonies 46, Chf. Comsr. Endowed Schools 69–74, † by suic. 76. "Our Colonial Emp." 50, "Eng. Poets" 63, &c. **2]** Geo., Ld., statesman & ✓, * 1709, † 73. Life by Phillimore 1845. *v.* also Littleton.

Lytton, 1] Edwd. Geo. Earle Lytton Bulwer-, Ld., nov., poet, ⊙, & misc. ✓ & polit., * 1805; bart. 35, took matern. name Lytton 43, Col. Sec. 58, peer 66, † 18/1 73. "Pelham" 27, "Paul Clifford" 30, "Eugene Aram" 31, "Last Days of Pompeii" 34, "Rienzi" 35, "Duchess de la Vallière" 36, "Ernest Maltravers" 37, *Lady of Lyons* 38, *Richelieu* 39, *Money* 40, "Zanoni" 42, "Last of Barons" 43, "Caxtons" 49, "Harold" 50, "My Novel" 53, "Coming Race" 71, "Parisians" 73, "Pausanias the Spartan" 76. **2]** His s. Edwd. Robt. Bulwer-Lytton, earl of, ("Owen Meredith"), poet. ✓ & statesm., * 8/11 1831; env. to Lisbon 74, Viceroy of Ind. 76–80, amb. to Paris 87. "Clytemnestra," &c. 55, "Wanderer" 59, "Lucile" 60, "Julian Fane" 61, "Ring of Amasis" 63, "Chronicles & Characters" 68, "Orval" 69, "Fables in Song" 74, Life of **1** 83, "Glenaveril" 85.

Lyveden, Robt. Vernon Smith, Lord, statesm., * 1800; Lord of Treas. 30–4, Und.-Sec. for Cols. 39–41, War Sec. 52, Presdt. of Bd. of Control 55–58, peer 59, † 10/11 73.

M.

M, consonant, 13th let. of alph. As Rom. num., M = 1,000; $\overline{M}$ = 1,000,000. M.A. = *Magister Artium* = Master of Arts; M.D. = *Medicinæ Doctor* = Dr. of Medicine; M.P. = Memb. of Parlt.

Ma, Ital. = but; as *Allegro, ma non troppo* = Fast, but not too fast.

Ma, 1] Egypt. myth., goddess of truth & justice. **2]** Grk. myth. = Rhea; also the nurse of Bacchus.

Maas, Jos , Eng. tenor singer, * 1848, † 86.

Mabillon, Jean, Fr. † & Ψ, Benedictine monk, * 23/11 1632 Pierremont, † 24/12 1707 Paris /.

Mabuse, Jan (J. Gossaert), ●, * *ca* 1470 Mabeuze, † 1541 Antwerp

Macabre, *v* Macarius, St

Macadam, John L., surveyor, * 1756 Ayrsh., invtd system of making roads with small broken stones without sand, † 1836.

Macao, Port. settlemt estabd 1586 on island of Hiang-shan, or M , at mouth of Canton ⅄, China; 28 s.m., 78,000 inh

Macarius, St., Egypt anchorite, from whom *Danse Macabre,* or Dance of Death, is named.

Macaroni, 1] dried dough of fine wheat flour in long slender tubes. 2] A dandy fr. the Macaroni Club, latter pt. of 18th cent., consistg of fops who introd. 1 at Almack's.

Macaronic Latin, &c , Dog Lat. Ital. *macarone* = a medley

Macaronic Verse, verses composed of lines from diff. poems, or of jumbled foreign words.

MacArthur, Jno., * 1766, introd. merino sheep into N. S. Wales & fnded. Austral. wool trade, † 1834.

Macartney, Geo., 1st earl of, diplom. & administ., * 1737 Irlnd ; govr. of Grenada 55, govr. of Madras 80–86, ambass. to China 92, govr. of C. of Gd. Hope 96–98, † 1806

Macassar, *v.* Celebes

Macaulay, 1] Thos. Babington, Lord, son of 2, ♛, poet. & misc. /, & statesm , * 25/10 1800 Rothley Temple, M.P. 30, legal advisr. to Supr. Counc of Ind. 34–8, War Sec. 39, peer 57, † 28/12 59 Kensington. Essays in *Edinb Rev.* 25–44, "Lays of Anct. Rome" 42, "♛ of Eng from acc. of Jas. II." (unfnd.) 49–55, biog. essays in *Encyc. Brit.* 57–8, speeches, &c. 2] His f., Zachary, philanth & Anti-Slavery agit., * 1768, † 1838 3] Catherine (*nee* Sawbridge), Eng ♛ / & Repub polit. * 1733 Ollantigh, † 91.

Macaw, ornith., any memb. of S Amer parrot fam. *arandæ.*

Macaw-tree, ✱, specs of palm *acrocomia,* wh yields palm-oil.

Macbeth, 1] Scot usurper, killed 1056, after reign of 17 years, by Malcolm, son of Duncan. 2] Robt. Wm , ● & etcher, * 1845 ; A.R.A. 30/1 83.

Maccabæus, 1] Matathias, noble Jew patr of Asmonæan fam , deftd. Antiochus Epiphanes, † 167 B.C. 2] His s., Judas, carried on war ; kld. 160 3] Jonathan, another son, suc. 2, deftd Syrians , kld. by Tryphon. 4] Simon, a 3rd s , suc. 3, deftd. Antiochus VII., killed by Ptolemy 135.

Maccabe, E , R. Cath. †, archbp. Dublin 1878, Card. 82, † 12/2 85.

Maccabees, Four books of the Apocrypha, with a 5th not incld , describing Maccabæan struggle.

MacCarthy, 1] Denis F., Irish poet / & transl., * 1817 Dublin, † 7/4 82 2] Justin, journ , nov. & ♛ /, & polit., * 1830 Cork ; M.P. 79, Vice-Presdt of Irish Parlty. party 80. "Dear Lady Disdain," "♛ of Our Own Times" 79, 80, "♛ of the 4 Georges" 84, &c 3] His s., J. Huntly, Irish polit. & journ. /, * 1859 , M.P 85

Macchiavelli, Nicc. di Bernardo, Ital. statesman & /, Sec. to Repub. of Florence, * 5/5 1469 Flor , † there 22/6. "Il Principe."

Macchiavellianism, duplicity & cynical disregard of the interests of others

Macchietti (or Maghietti), Girolamo (Del Crocefissajo), Ital. ●, * 1535 Florence, † aft. 68.

MacClellan, George Brinton, Amer. genl., * 3/12 1826 Philadelphia ; maj -genl of Fed army 14/5 61, comdr.-in-chf 1/11 61, supersd. 62, govr. of New Jersey 81, † 29/10 85.

Macclesfield, Thos. Parker, earl of, Eng. ⚖, * 1666 ; Chf. Just Q 's B. 1710, Ld. Chanc. 18, fined for sale of offices, † 32.

MacClintock, Fr. Leop., Arct. expl., * 1819 Dundalk ; commd.

Franklin search exped. 57, kntd. 60, vice-adm. 77. ✓.

MacCloskey, John, R. Cath. †, * 20/3 1810 Brooklyn; bp. of Albany 47, archbp. of New York 64, Card. 75, † 10/10 85.

MacColl, Malcolm, † & polit. ✓, * 27/3 1838 Glenfinan; canon of Ripon.

MacCosh, Jas., ⚓ & † ✓, * 1811 Ayrshire; president of Princeton Coll., U.S.A., 68.

MacCrie, Thos., †, biog., & ♛ ✓, * 1772, † 1835.

M'Crie, Thos., Scot. † & ♛, * 1772, † 1835.

M'Cullagh, Jas., math., physic., & Ψ ✓, * 1809 Strabane, † 47.

MacCulloch, 1] John, ♪, ⚒ & ⚗, * 1773 Guernsey, † 1835. 2] J. R., Amer. ☉, * 1/3 1789, † 11/11 1864. 3] MacCulloch, John R., econ. & statst. ✓, * 1779 Wigtownshire, † 1864.

MacDiarmid, 1] John, Scot. ♛ ✓, * 1779, † 1808. 2] John, Scot. journ. ✓, * 1789, † 1852.

MacDonald, 1] Geo., novel & poet. ✓, * 1824 Huntly. "David Elginbrod" 62, "Robt. Falconer" 68, &c. 2] John Alex., Canad. ⚒ & statesm., * 11/1 1815 Glasgow; Att.-Genl. of Upper Can. 54, Prem. 60, 67, 78, 1 of Alabama Comsrs. 71, kntd. 78. 3] Étienne Jacq., dk. of Tarentum, Fr. marsh., * 17/11 1765 Sancerre; in Ital., Spain, Russ., &c.; retrd. 1830, † 25/9 40 Courcelles. 4] Flora, assisted Yng. Pretender to escape aft. ⚔ of Culloden, * 1720, † 90. 5] And., ☉ ✓, * 1755, † 90. 6] John Hay A., ⚒ & polit., * 1845; Sol.-Genl. for Scot. 76–80, Ld. Adv. 85, 86, Ld. Just. Clerk 88. ✓.

M'Donnell, Sir Richd. Graves, Brit. administr., * 1815; govr. of Gambia, of S. Austral., Lieut.-Govr. of Nova Scotia, of Hong Kong, † 5/1 81.

M'Dougall, Hon. Wm., Canad. polit., journ. ✓, & ⚒, * 25/1 1822 Toronto; Puisne Judge in Quebec.

M'Dowell, Pat., ☉, * 1799 Belfast; R.A. 1846, † 9/12 70. 2] Irvin, Amer. Fed. genl., * 15/10 1818 Ohio; deftd. at ⚔ Bull's Run 21/7 61, retired 82.

Mace, *v.* Nutmeg.

Macedo, 1] Franc. de, Portug. † & ♛ ✓, * 1596, † 1681. 2] Joaq. Man. de, Braz. rom. & poet. ✓, * 24/6 1820.

Macedonia, country of anct. Greece, head of Gr. 359–36 B.C.; at † of Alex. the Grt. Emp. of M. was divd., & was conq. by Roma. 168 B.C.

Macfarlane, Robt., polit. ✓, * 1734, † 1804. "Reign of Geo. III."

Macfarren, 1] Geo. Alex., ♪, * 2/3 1813 London; prof. of harmony at R. Acad. 34, Principal of R. A., prof. of ♪ Camb., kntd. 83, † 31/10 87 London. 2] Geo., librettist of *Devil's Opera*, &c., * 1788, † 1843.

MacFlecknoe, Dryden's name for Shadwell.

M'Garell-Hogg, *v.* Magheramorne.

M'Ghee, Thos Darcy, Irish & Amer. polit., * 13/4 1825 Carlingfrd., assassd. by Fenians 7/4 68 Ottawa.

Macgillivray, W., Scot. ornith., * 1796, † 1852. ✓ "♛ of Brit. Birds" 37–52.

MacGregor, 1] John, travlr., * 24/1 1825 Gravesend. ✓ "A Thousand Miles in the *Rob Roy* Canoe" 66, &c. 2] Rob Roy, Scot. freebooter, † 1733. 3] Wm., pseud. of Wm. Mason.

M'Hale, Rom. Cath. †, * 1791; archbp. Tuam, † 8/11 1881.

Machiavelli, *v.* Macchiavelli.

Mack, Karl, Bar. v., Austr. genl., * 24/8 1752, † 20/10 1828 St. Polten.

Mackarness, John Fielder, †, * 3/12 1820; preb. Exeter 58, bp. of Oxford 69, resgd. 88.

Mackay, Chas., lyr. & misc. ✓, * 1814 Perth; LL.D. Glasgow 46, Amer. corresp. of *Times* durg. Civil War, "Popular Delusions" 46, "Gaelic & Celtic Etym.," "Fndrs. of Amer. Repub." 85, &c.

Mackenzie, 1] Hy., nov. & misc. ✓, * 1745 Edinburgh; "Man of

Feeling" 71, "Man of the World" 73, ed *Mirror* 79–80, *Lounger* 85–7, † 13/6 1831. 2] Alex., Canadian statesm., * 28/1 1822 Logierait, ldr of Canad. Liberals, Premier 73–8.
3] Morell, ✠, * 1837 Leytonstone; founded Hosp for Throat Diseases 63, kntd. 87. ✓
4] Alex. Campbell, ☠, * 1847 Edinburgh, composed *Cervantes, Colomba*, &c
5] Thos., Lord, Scot. ⚖, * 1807, † 26/9 69. ✓ 6] Sir Alex., explr, * 1755, † 1820. 7] Chas. Fridk, † & missnry., * 1825, bp. of Cent Afr., † 62 Cent. Afr. 8] Sir Geo., Scot ⚖ & misc. ✓, * 1636, fnded Advocates' Libr., Edin., † 91. 9] Geo, Scot biog. ✓, † 1726. 10] *v* Compton 3

Mackenzie, ⅄ Canada, flows 1,770 m fr. Rocky ▲s, Arctic O

Mackerel, ichth, *scomber scombrus*, a sea-fish. Horse M., *S. trachurus;* Span. M, *S. colias.*

Mackerel Guide, Gar-fish (*q v*)

Mackinlay, John, traveller, crossed Austral. 1861, † 28/12 72 Gawlertown. ✓.

Mackinnon, 1] Danl., genl., & ⚔ ♛ ✓, * 1791, † 1836 2] Hy, Brit ⚔, * 1773 nr Winchester, † 1812 Ciudad Rodrigo

Mackintosh, Sir Jas, ♛ & ⚖ ✓ & statesm, * 24/10 1765 Aldourie, Recorder of Bombay 04–12, prof. of ⚖ at Haileybury 18–27, memb. of Ind. Bd. of Control 30, † 22/5 32

Mackintosh, cloth waterproofed w. solutn. of india-rubber.

Maclaren, Chas., misc ✓, * 1782; 1st ed. *Scotsman*, † 1866.

Macklin, Chas., ✆ & ✆ ✓, * *ca.* 1698 Westmeath, † 11/7 1797. *Man of the World, Love a la Mode, &c.*

Macknight, Jas., Presbyt. † & crit. ✓, * 17/9 1721 Irvine, † 13/1 1800 Edinburgh.

Mackonochie, Rev. A. H., * *ca.* 1825; vicar of St. Alban's, Holborn 62–72, † 17/12 87.

Maclagan, 1] Wm. Dalrymple, †, * 1826 Edinburgh; bp. of Lichfield, 78. ✓. 2] Alex., poet. ✓, * 1811.

MacLean, L. E., *v.* Landon.

MacLennan, Thos. Ferguson, Scot. Ψ, * 1827, † 81. ✓ "Primitive Marriage" 65, "Studies in Anct. ♛," "Totemism," &c

Macleod, 1] Norman, Presbyt. †, * 1812 Campbelton; 1st ed. of *Good Words*, † 16/6 72 Glasgow. 2] H D., statist. ✓, † 1821 Edinburgh.

Macliise, Danl., ☻, * 25/1 1811 Cork; A.R A. 35, † 1/4 70.

Maclure, 1] Robt. John Le Mesurier, Arct. explr, * 28/1 1807 Wexford; discvd. N.W Pass. 50, kntd. 59, rear-adm. 67, vice-adm. 73, † 17/10 73 Portsmouth. 2] Wm., Amer diplom. & ⚒, * 1768 Scot, † 1840.

MacMahon, M. E. Patr. Maurice de, duc de Magenta, Fr. marsh. & statesm., * 13/7 1808 Sully, of Irish extraction; in Crim. & Ital., govr. of Algeria 64–70, led 1st *Corps d'Armee* 70, prisnr., reduced Paris 71, Presdt. of Repub. 24/5 73, resigned 30/1 79.

Macmillan, 1] Hugh, Free Ch † & ✓, * 17/9 1833 Aberfeldy; F.R S. 71, D D. 79. 2] Danl., publisher, * 1813, † 57.

Macmillan's Magazine, Eng. monthly, fnded. 1859, ed Mowbray Morris.

Macmurrough, Dermot, k. of Leinster 12th cent.; having been driven out by Roderick O'Connor, induced Hy. II. to begin conquest of Ireland.

Macnaghten, W. Hay, Ind. administr, * 1793 Irlnd; envoy to Cabul 1839, bart. 40, assassd. 28/12 41 Cabul

M'Nally, Leonard, Irish ⚖, ✆, & miscellaneous ✓, * 1752 Dublin, † 1820.

M'Neile, Hugh, Prot. †, * 1795 Ballycastle; canon Chester 1860, dean of Ripon 68, † 28/1 79.

M'Neill, 1] Sir John, Brit. dipl & polit. ✓, * 1795, † 2/3 1880. 2] Hector, poet. & misc. ✓, * 1746. † 1818.

Macnish, Robt., ⚖, * 1802, † 37.

Macpherson, 1] Jas., poet. ✓, * 1738 Ruthven; "Fingal" 62, transl. fr. Ossian, † 17/2 1796. 2] Sir John, Ind. offr., * 1767 Scot., † 1821. 3] Sir Herb. T., genl., * 1827; V.C., comd. Ind. contingent in Egypt 82, comdr.-in-chf. of Madras army 85, † 20/10 86 Prome, Burmah.

Macready, Wm. Chas., trag. ☉, * 3/3 1793 London; retired 1851, † 27/4 73.

Macrinus, Rom. Emp., * 164; murd. of Caracalla 217, assassd. 218.

Macrocosm, Grk. = the great world, the universe; in oppos. to *microcosm* = the little w. = man, regarded as the univ. in miniature.

Mactra, zool., gen. of molluscs. Common M., or Trough-shell., *M. subtruncata.*

MacWhirter, John, ●, * 1839 nr. Edinb.; Assoc. of Roy. Scot. Acad. 63, & hon. memb. 82, A.R.A. 2/1 79, memb. of Instit. of ●s in W. Cols. 84.

Madagascar, island *cc.* 300 m. fr E. coast of Afr.: 900 m. long, 228,540 s.m., 3,500,000 inh.; ▲ous, highest point Ankaratra, 9,000 ft.; silver, copper, iron, salt, coal, timber, rice, sugar, silk, cotton, cocoa-nuts, bananas, indigo, ind.-rubber; govt. an abs. monarchy, Fr. protec. estabd. 12/12 1885 aft. war. Official relig. Christ., but ¾ths of nata. still pagan; compuls. education; army of 20,000, w. mod. weapons. Cap. ⊙, Antananarivo; 100,000 inh. Chf. ⚓ ⊙s.: Tamatave, 10,000 inh.; Madsunga, 14,000 inh. Isle discd. by Port. 1506; declrd. Fr. possesn. 1642, indep. recognd. by Brit. 1816. Q. Ranavalona III. suc. 13/7 83.

Madagua, Madoqua, nat. name of dimin. Abyss. antelope, *antilope saltiana.*

Madalinski, Ant., Polish genl. und. Kosciusko, * 1739, † 1804.

Madden, 1] Sir Fred., ♆, * 1801; keeper of MSS. at Brit. Mus. 37–66, ed. Eng. class., &c., † 8/3 73. 2] Richard Robert, poet. & misc. ✓, * 1798 Dublin, † 5/2 1886. 3] Saml., †, poet., & misc. ✓, * 1687 Dublin, † 1765.

Madder, ♃, colourg. matter usd. extens. for dyeing; from root of *rubia tinctorum*: consists mainly of alizarin & purpurin; now artific. prepd. fr. anthracene.

Madeira, Port. volcan. & ▲ous islnd. 400 m. fr. N.W. coast of Afr.; 317 s.m., 125,000 inh.; wine. Chief ⊙, Funchal.

Maderno, Carlo, Ital. ▲ who finished Vatican, * 1556, † 1629.

Mâdhava, Hindu myth. = Vishnu.

Madison, Jas., 4th Presdt. of U.S.A., 16/3 1809–17, * 1751, † 28/6 1836.

Mädler, J. H. v., ♆, * 29/5 1794 Berlin, † 14/3 1874 Hanover.

Madoc, 12th cent. Welsh chief who is said to have discd. Amer.

Madonna, Ital. = my lady; esp. of the Virgin Mary.

Madoqua, *v.* Madagua.

Madox, Thos., Eng. ♆ ✓, † 1735.

Madras, prov. of Brit. Ind., including w. depends. entire S. of peninsula & nearly whole of E. coast; 140,333 s.m., 31,000,000 inh.; 1,730 m. of coast, but no good harb.; ▲s, E. & W. Ghâts; govr. apptd. by Crown, assisted by counc. of 3 and legis. counc. Cap., M., on E. coast, 410,000 inh.; bpric.

Madras System of Education, the Monitorial Syst., orig. by And. Bell at Madras, & carried out in Eng. by J. Lancaster.

Madrepore, a submarine coral-like substance compd. chfly. of carb. of lime, & prod. by minute anims. (*polyps*) of coral group.

Madrid, cap. ⊙ of Spain & of prov. of M. on ⚓ Manzanares; 400,000 inh.; enclosed by 8 m. of wall; univ. fnded. at Alcala 1508, transf. to M. 1836.

Madrigal, 1] a short poem, usually pastoral; esp. of 6–11 lines w. 3 rhymes. 2] ♪ to wh. 1 is sung: each part being taken by sevrl. voices.

Madura, 1] distr. of Madras, Brit. Ind., 9,502 s.m., 2,270,000 inh., Chf. ⊙, M.; 53,000 inh. 2] Island off N.E. coast of Java, to wh. it belongs; 1,800 s.m., 670,000 inh.; occup. by Dutch *ca.* 1747.

Madvig, J. H., Dan. philol. & statesm., * 7/8 1804 Svaneke, † 12/12 86.

Mæander, anct. name of ⅄ Meinder, Asia Min.; very winding.

Mæcenas, Caius Cilnius, Rom. statesm. & patron of ⁄; friend of Virgil & Horace; † 8 B.C.

Maelar, Swed. lake N. of Stockholm runng. inland from Baltic 80 m., avrge. brdth. 13 m.; 1,200 isles.

Maelström, *v.* Lofoden Islands.

Maelzel, Leonard, invtr. of Metronome, autom. chess-player, &c., * 1776 Ratisbon, † 1855.

Mæotis, Palus or Lacus, anct. name of Sea of Azof.

Maestoso, or Con Maesta, Ital., ♔, = with majesty.

Maestricht, Maastricht, ♚ ⊙ Holland, on Meuse, 29,000 inh.

Maestricht Beds, ⅄.upp.divsn. of Cretaceous grp., fnd. around M.; calcareous, w. corals & polyzoa.

Maffei, 1] Giampietro, Ital. †, schol., & ♛⁄, * 1536 Bergamo; ♛ of Conq. of Portug. Ind., † 1603. 2] F. Scipione, marq. of, It. schol., poet., & misc. ⁄, * 1/6 1675 Verona, † 11/2 1755. "Verona Illustrata," &c. 3] And., poet. ⁄ and travlr., * 1802 Riva di Trento.

Mafia, anct. secret soc. in Sicily.

Maga = *Blackwood's Magazine.*

Magdala, ♚ & ⊙ of Abyss., burnt by Brit. 17/4 1868.

Magdalen College, 1] Oxf., fnded. 1456. 2] Camb., fnded. 1519.

Magdeburg, ♚ ⊙ of Pruss. Sax., on Elbe, 100,000 inh.; bpric., cathedral 13th cent.

Magee, 1] Wm. Connor, †, * 1821 Cork; dean of Cork 64, bp. of Peterboro' 68. 2] Wm., †, * 1765; dean Cork, bp. Raphoe, archbp. Dublin, † 1831. ⁄

Magelhaens, Fernando de, Portug. navig., * 1470; discovd. Straits of M. 1520, kld. at Zebu, Philippine Islands, 17/4 21.

Magellan, Strait of, chan. *ca.* 300 m. long, betwn. S. Amer. & Tierra del Fuego, *v.* Magelhaens.

Magendie, Franç., Fr. physiol., * 15/10 1783 Bordeaux, † 7/10 1855 Sannois. ⁄ "Elements of Physiology."

Magenta, 1] ⊙ of Milan, Ital., 6,000 inh.; ⚔ 4/6 1859, Austr. deftd. by Fr. & Sard. 2] *v.* Rosaniline. 3] Dk. of, *v.* MacMahon.

Mageoghegan, Jas., Irish ♛⁄, * 1702, † 64.

Maggiore, Lake, N. It., frmd. by ⅄ Ticino; 40 m. by 2 to 3 m.

Magheramorne, J. McGarell Hogg, 1st Baron, * 1823 Calcutta; maj.-genl. 59, M.P. 65, chairm. of Metrop. Board of Works 18/11 70, peer 87.

Maggot, a small smooth larva.

Magi, priests of anct. Medes & Persians; esp. the wise men, said to have been Melchior, Gaspar, & Balthazar, led by the star to Bethlehem.

Magic Lantern, instrt. for throwing on wall or screen magnified images of paintings, &c.; first made known by B. Porta & by Kircher 1669–70. Invntn. ascrbd. to R. Bacon.

Magilus, zool., small genus of *gasteropoda*, parasit. in coral.

Magini, Giov. Anton., math, ⁄. * 1555 Padua, † 1617 Bologna.

Maginn, Wm., poet., journ., & misc. ⁄, * 1793 Cork, † 1842.

Magistrates, *v.* Justices of the Peace.

Magliabecchi, Ant., libr. to Grd. Dk Cosmo III., * 1633 Florence, † 1714.

Magna Charta, the document signed at Runnymede by k. John 15/6 1215, setting forth the rights of clergy, barons, & people.

Magne, P., Fr. statesm., * 9/12 1806, Min. 51–60. 67–69, 73–74, † 19/2 79.

Magnentius, Rom. Emp., † by succ. in Gaul 353.

Magnesia, 1] anct. ⊙ Lydia, ⚔ 190 B.C. 2] *v.* Magnesium.

Magnesian Limestone, ⚒, comp. of carbs. of lime & magnesium, proportion of latter being often nearly 50.

Magnesium, ⚗, a metal. elemt, never fnd. free, but common in combinatn.; at. wt. 24·4; sp. grav. 1·743; burns w. bright light; an essential constit. of dolomite; metal obtnd. by heating the chloride w. sodium. Carb. of M. is antidote to acid-poisong. Sulphate of M. is Epsom Salts.

Magnet, a body possessing the property of magnetism, natural or acqrd.; *e.g.*, magnetic iron-ore, or magnetised steel, either straight, or bent into form of horse-shoe, when both poles act simult. on same obj. M. consistg. of only 1 bar is simple M.; of several, compnd. M. Electro-M.s may be straight or bent, & consist of bar of soft iron surround. w. insulated copper wire, thro' wh. an electric current is sent.

Magnetism, 1] the property impartable to iron, cobalt, nickel, & other bodies, by wh. they attract or repel each other. 2] The science wh. treats of this proprty. 3] The attract. power itself. M. 1st discvd. in Magnetite; it was then fnd. that pieces of steel rubd. w. nat. magns. became magnetic; nat. magnets now rarely used. Attracn. of a magnet most intense at a short dist. fr. the ends, & ceases at the centre, called its equator, the pts. at wh. it is strongest being the poles. The earth having magnetic properts., a magnet freely suspnd. points nearly N. & S.: pole wh. points N. is called N.-seekg. p., othr. the S.-seeking p. Similar p.s repel, dissim. p.s attract, each othr. Some substs. (*e.g.*, bismuth, copper, silver, gold, lead, phosphorus, & water, said to be dia-magnetic) are repelled instead of attracted by a magnet. Steel, nickel, & iron retain much of imparted M., & the M. so imparted may be strengthnd. by connectg. the 2 p.s w. pieces of soft iron. N. magnetic p. is not same as true N. p., but lies within Arctic circle (75° 5′ N., 96° 46′ W.); hence a magn. needle does not point due N. & S.; this is termed declinatn. of the needle, & in Brit. Isles varies fr. 17° to 20° W.; also varies from yr. to yr. Position of S. mag pole not yet ascertained. Magn.-needle balanced on cent. of grav. sets itself at angle depend upon locality; this is its "inclination." In London it is 71° 50′. Mag. force differs in diffnt. places, & in same places at diffnt. times. For Anim. M., *v.* Mesmerism.

Magnetite, ⊕, an ore of iron strongly magnetic, hence called lodestone; hardness 5·5–6·5, sp. gr. 4·9–5·2, black; compos.: iron 72·4, oxygen 27·6, or sesqui-oxide of iron 68·97, protoxide of iron 31·03; ⚗ form. $FeOFe_2O_3$. Swed. iron is mnfd. fr. M. fnd. near Danemora.

Magneto-electric Machine, a mach. in wh. elect. current is gener. by revoln. of soft iron cores, surnded. by coils of wires, opposite poles of magnets; or by armature rotatg. before p.s of stationy. coils.

Magnificat, Lat. = doth magnify, †, Song of the Virg. Mary, wh. in Vulgate begins w. this word.

Magnol, Pierre, ♂ & ⚷, • 1638 Montpellier, † 1715. ♂.

Magnolia (from Magnol, *q.v.*), ♂, genus of plants typ. of nat. ord, *magnoliaceæ*; leathery leaves, large & odorous flwrs., 3 sepals, decid., 6 to 9 petals; N. Amer. & Asia.

Magnus, name of 7 k.s of Norway, 11th–13th cents.

Magnus, 1] Olaus, † & ♂; archbp. Upsala, † 1568. 2] H. Gust., ♃, • 2/5 1802 Berlin, † 5/4 70.

Magnussen, 1] Arne, Dan. ♆ ♂, • 1663 Iceland, † 1730. 2] Finn, Scand. schol., • 1781 Iceld., † 1848.

Magpie, ornith., *pica rustica*, Brit. bird of Crow fam., W.

Magyar, Lasrto, travl., • 1817 Mariatheresiopel, to Afr., † 9/11 64.

Magyars, Slav race in Hungary.

Mah-abadean Dynasty, 1st dynasty of Pers. mythol.

Mahâbhârata, anct Sanscrit epic on wars of Bharatides for throne of Hastinapura; 100,000 couplets.

Mahâdeva, Hindu myth. the god Siva. *Mahâdeve* his w., Durgâ.

Mahaffy, John Pentland, ♛ ✓, & †, * 26/2 1839 Switz., prof. of anct. ♛ 71, Donnellan Lect. 73.

Maharajah, *v.* Raja.

Mahdi, The, Moham. Messiah, whose advnt. is still in the future, & who is to be the last or 12th Imaum or Leader. Title claimed by Mohammed Ahmed * 1843 Dongola, who headed revolt of Soudanese agst. Egyptns. 81, & † June 85.

Mahe, Fr. settlemt on W coast of Ind.; 1,445 a., ca. 8,000 inh.

Mahmood of Ghuzni, Moham. congr. of Ind., † 1030.

Mahmûd II., 30th Sult. of Turk., * 20/7 1785; suc. 28/7 1808, massd. Janissaries 26, † 1/7 31

Mahogany, ♁, wood of *swietenia mahagani*, nat. ord *cedrelaceæ*, of W. Ind. & trop. Amer.; first brought to Eng. by Raleigh 1595.

Mahomet, *v.* Mohammed.

Mahon, Ld., *v.* Stanhope, E. of.

Mahony, Fras. ("Fath. Prout"), poet, journ., & †, * 1805 Cork; spec. corresp. at Rome, afterwds. at Paris, † 18/5 66.

Mahoun, corrup. of Mohammed.

Mahrattas, Ind. race wh. finded. M. Emp. 17th cent., but compltly. overthrn. by Brit. 1818, 48. Chf. M. states of Ind.: Tanjore, Gwalior, Indore, Baroda, Kolapur.

Mähren, Germ. name of Moravia.

Mahy, F. C. de, Fr polit., * 1830 Reunion; ✗, Min. of Agric. 82–83, of ⚓ 86, 87–88.

Mai, Ang., † & class. schol., * 1782 nr. Bergamo; card. 1838, disc'd. Cicero's "De Repub.," † 54 Albano.

Maid of Norway, Margaret, d. of Eric II., m. Alex. III. of Scot.

Maid of Orleans, *v.* Arc, Joan of.

Maiden, an early form of guillotine; brt. fr. Halifax to Scot. by Regent Morton, executd. by it 1581.

Maiden Assize or **Sessions**, an A. or S. without prisnrs for trial: judge is prestd. w. white gloves.

Maidenhair, ♁, the fern gen. *adiantum*, esp. *A. capillus Veneris*.

Maidstone, Richd., poet & †, oppont of Wickliffe, confessor of Dk. of Lancaster, † 1396.

Maidstone, Eng. ⊙, Kent on Medway; 40,000 inh.; rets. 1 M.P.

Maigre, ichth., *sciæna aquila*, edible fish of Medit.

Maillat, J. A. M. de M. de, Fr. Jesuit missnry. to China, & ♛ of Ch., * 1679, creat. Mandarin, † 1748.

Maimansinh, or Mymensing, distn. of Bengal, Brit Ind.; 6,299 s.m., 2,352,000 inh. Chief ⊙, M. (Nasirabad).

Maimbourg, Louis, Fr. Jesuit † & ♛ ✓, * 1610, † 86.

Maimonides (Moses ben Maimun), Jew. ✍ & † ✓, * 30/3 1135 Cordova, † 13/12 1204 Cairo.

Main Plot, formed 1603, to place Arabella Stuart on Eng throne.

Maine, Sir Hy. Jas. Sumner, ⚖, ♛, & misc. ✓, * 1822; Reg. Prof. of Civ. ⚖ Camb. 47, Reader of Jurispr. at Midd. Temple 54, ⚖ memb. of Ind. Counc. 62–69, Corpus Prof. of Jurispr. at Oxfd. 70, Master of Trin. Hall, Camb., 77; "Rom. ⚖ & Legal Education" 56, "Anct. ⚖" 61, "Village Communities in East & West" 71, "Dissertations on Early ⚖ Custom" 83, † 3/2 88.

Maine, 1] old prov. of Fr. = depts. of Sarthe & Mayenne. 2] One of U.S. Amer., settled 1621, pt. of Mass. till 1820; 33,040 s.m., 720,000 inh. Cap. ⊙, Augusta.

Maine, Louis Aug. de Bourbon, duc de, nat. s. of Louis XIV. & Montespan, * 30/3 1670 Versailles, † 14/5 1736 Sceaux.

Maine-et-Loire, inld. dept. of Fr; 2,749 s.m., 525,000 inh. Chf. ⊙, Angers.

Maine Liquor Law, a L. of Maine, U.S.A., vesting sale of intox. drinks in State-appointed persons, & prohibiting drink traffic under certain conditions.

Mainpuri, distr. of Agra, Brit India; 1,696 s.m., 770,000 inh., Hindus. Chf. ⊙, M.; 22,000 inh.

Maintenance, ⚖, interference in a stranger's suit by assisting either party, w. money or otherwise; a misdemeanour.

Maintenon, Françoise d'Aubigne, marquise de, * 27/11 1635 Niort; m. Scarron 51, mistress of Louis XIV. 74, who m. her 85; on his † (1715) retired to Convent of St. Cyr., † there 15/4 1719.

Mainz, Mayence, or Mentz, ♚ ⊙ Germ., on Rhine & Main; 62,000 inh.; bpric.; cathed. of 10th. cent.

Mainzer, Jos., Germ. ♥, * 1801 Trèves; came to Eng. 44, † 51.

Mair, or Major, John, † & ♛ /, * 1469, † 1550.

Maistre, 1] Jos., Comte de, † /, * 1755 Chambéry, † 1821. 2] His bro., Xavier, misc. /, * 1763 Chambéry, † 1852. "Voyage autour de ma Chambre," &c.

Maitland, Sir Richd., Scot. ⚖ & collector of MSS. (now at Magd. Coll., Camb.), * 1496, † 1586.

Maitland Club, The, founded Glasgow 1828, consistg. of 100 Ψs; has pub. many important works.

Maize, or Indian Corn, ✱, *zea mays*, cereal grass of tribe *phalaceæ*; Amer., S. Eur., Ind., & Austrl.

Majesty, a style 1st applied to Hy. VIII. among Eng. sovrgns.

Majolica, earthenware covered w. a highly coloured opaque glaze contng. large proprtn. of oxide of tin; introd. in 15th cent. fr. Majorca, hence name; after 16th cent. mnf. ceased, but of late years imitations have been prodcd. in Staffordsh.

Major, ✕ offr. betwn. captain & lieut.-col.

Major, John, *v.* Mair, John.

Major, ♪, 1] a M. interval is a semitone greater than a minor. 2] M. scale has M. interval, or 2 tones, betw. key-note & its ascendg. 3rd, whereas min. s. has tone & semitone.

Majorca, largest of Balearic Islands; 230,000 inh. Cap. ⊙, Palma.

Majorianus, Flav. Jul. Valerius. Emp. of West 457–61; execd. by Ricimer.

Makart, Hans, ♥, * 18/5 1840 Salzburg, † 3/10 84 Vienna.

Malabar, distr. of Madras, Brit. Ind., along coast of Arab. Sea; 6,002 s.m., 2,270,000 inh. Chf. ⊙, Calicut.

Malacca, 1] one of Brit. Straits Settlemts. on S.W. coast of Malay Penin.; 695 s.m., 80,000 inh. Chf. ⊙, M.; 10,000 inh.; Portug. 1511–16, Dut. 1641–1795, Brit. by treaty 17/3 1824. 2] The Malay Peninsula.

Malachi, Hebr proph. /, *ca.* 427 B.C.

Malachite, ♦, a basic carb. of copper & an ore of copper; bright green; Austral. & Siberia.

Malachy, St. (Maol-Maodhog), * 1094 Armagh, † 1148.

Malacopterygii, ichth., fish in wh. rays of paired fins are soft.

Malaga, ⚓ ⊙ of Spain, cap. of prov. of M.; 117,000 inh.; wine. Prov. of M., 2,786 s.m., 505,000 inh.

Malagrowther, Malachi, pseud. of Sir W. Scott 1826.

Malan, Sol. Cæs., son of M. of Geneva, orient. & †, * 1812; preb. of Salisbury 71–5.

Malaria, deleterious vapours exhaled fr. soil in low-lying dists., &c., giving rise to M. or remittent fevers.

Malaspina Saba, Ital. ♛ /, 2nd half of 13th cent.; Papal sec.

Malatesta, Ital. fam. wh. held lordship of Rimini 1295–1528.

Malay Archipelago, *v.* Ind. A.

Malay Peninsula, that part of Indo-Chin. Penin. S. of Burmah; N. pt. belongs to Siam, S. pt. (except Malacca & other Brit. settlemts.) is divd. into nat. States; 50,000 s.m., 380,000 inh.

Malcolm, Sir John, Ind. genl., diplom., & ♛ & biog. /, * 2/5 1769 Burnfoot; govr. of Bombay 1827–31, † 31/5 33 Windsor. "Life of Lord Clive," &c.

Malcolm, name of 4 kings of Scot.: 1] I., 943–54. 2] 1005–34 3] II., Canmore, s. of Duncan, slew Macbeth; crowned 25/4 1058, † in

⚔ 13/11 93. 4] IV., the Maiden, 1153–65.

Malczewski, Ant., rom. & poet. ✓, * 1792 Volhynia, † 2/5 1826 Warsaw.

Maldachini, Olimpia Pamfili, mistr. of Pope Innocent X., her bro.-in-law; exiled 1655 to Orvieto.

Maldah, distr. of Bengal, Brit. Ind.; 1,813 s.m., 680,000 inh.

Maldive Islands, *large group in* Ind. Ocean 400–500 m. W. of Ceylon, 175 inhabd.; 150,000 inh.; govd. by Sultan, who pays trib. to Ceylon.

Malebranche, Nic., Fr. myst. ✠, follower of Descartes, * 6/8 1638 Paris, † 13/10 1715: his maxim, "Seeing all things in God."

Male-fern, ✿, *nephrodium felix mas;* used in ✗ for tapeworm.

Malesherbes, Ch. Guil. de Lamoignon de, Fr. statesm., ⚖, & ✓, * 6/12 1721 Paris; Min. of Household 50, banshd., Min. of Int. 74–76, imprisd. 93, executd. 22/4 94.

Malet, 1] Ed. Baldwin, diplom., * 10/10 1837 The Hague; Plenipot. to Turk. 78, Egypt 79, ktd. 81, env. to Brussels 83, amb. Berlin 84.

2] Claude Franç. de, Fr. genl., * 28/6 1754 Dôle, executd. for conspir. 29/10 1812.

Malherbe, Franç de, Fr. poet. ✓, * 1555 Caen, † 16/10 1628 Paris.

Malibran, Maria Felicita, dau. of Garcia, ♪ singer, * 24/3 1808 Paris; m. Malibran, sepd. 36; m. De Bériot 36, † 23/9 36 Manchester.

Malic Acid, ⚗, an organ. acid fnd. in unripe fruits, &c.; pure, it forms colourless prism. crystals; w. bases, salts termed malates.

Malines, *v.* Mechlin.

Mall, a public walk; origlly. a place where pall-mall was played.

Mallet, 1] Louis, administr., * 14/8 1823 London; knt. 68, Ind. Counc. 72, Perm. Und. Sec. for India 74–83. ✓ "Reciprocity."

2] David, poet. & misc. ✓, * 1700, † 65.

Mallinger, Mathilde, ♪ singer, * 17/2 1847 Agram; m. Baron Schimmelpfennig.

Mallock, Wm. Hurrell, nov. & ✠, ✓, * 1849 Devon. "New Repub." 76, "New Paul & Virginia" 77, "Is Life worth Living?" 79.

Mallows, ✿, the gen. *malva;* esp. *M. sylvestris,* common M.; *M. rotundifolia,* Dwarf M.: but Marsh M. belongs to gen. *althea.*

Malmesbury, Earls of: 1] Jas. Harris, 1st E., diplom. & statesm., * 1746; sec. at Madrid 67, Min. of Russ. 75, to Hague 85, earl 1800, † 20. ✓ "Diary" & "Letters." 2] Jas. Howard Harris, 3rd E., grd.-son of 1, * 25/3 1807 Lond.; suc. 41, For. Sec. 52 & 58–9, Ld. Kpr. of Privy Seal 66 & 74. ✓ "Memoirs of an Ex-Minister" 84.

Malmesbury, *v.* Wm. of M.

Malmsey Wine, a sweet white wine mnf. in Madeira of grapes that have shrivelled on the vine.

Malmström, 1] Bern. E., poet. ✓, * 1816 Nerike, † 65 Upsala. 2] Karl Gust., ♛ ✓, * 1822. 3] J. Aug., ⚒, * 1829 E. Gotland; prof. at Stockholm 67.

Malone, Edmd., Shakesp. crit. & biog. ✓, * 1741 Dublin, † 1812.

Malory, Sir Thos., compiler of the Arthurian legends from Fr. & Welsh sources, printed by Caxton 1485.

Malot, Hect., rom. ✓, * 20/5 1830 La Bouille.

Malou, Jul. Ed. Franç., Belg. statesm., * 19/10 1810 Ypres.

Malpighi, Marcello, anat. & ✿, * 10/3 1628 Crevalcuore, † 29/11 94 Rome. ✓.

Malplaquet, villg. of N. Fr.; ⚔ 11/9 1709.

Malt, grain (esp. barley) wh. is wetted, allowd. to sprout, fermntd., & dried on a kiln, for brewing ale, &c., & distilling whisky.

Malta, isld. in Medit., 56 m. S. of Sicily; w. Gozo & Comino 122 s.m., 160,000 inh.; annxd. by Brit. 1814; ⚓ ⚒ & dockyard; admin. by govr. & Counc. of 18. Chf. ⊙, Valetta; harbr.; anct. residence of Knts. of St. John, to whom island belonged 1530–1790.

Maltese Cross, formed of 4 arrow-heads meeting at points. ✠

Maltese Dog, a small var. of spaniel, silky hair, usually white.

Malte-Brun, Conrad, Dan. ♁, poet., & polit. ✓, * 1775, † 1826.

Malthus, Thos. Robt., † & social ✓, * 14/2 1766 nr. Dorking; prof. of ♛ & polit. econ. at Haileybury 1805–34, † 29/12 34 Bath. "Treatise on Population" 1798, &c.

Malthusianism, doctrine of Malthus, that population tends to incr. faster than means of subsist., & that popul. should be kept down.

Maltzan, H. v., travlr., * 6/9 1826 nr. Dresden, † 23/2 74 Pisa. ✓.

Malum in se, Lat.=a wrong in itself; *malum prohibitum*=a wrong because forbidden.

Malus, E.L., Fr. opticn., * 1775; discvd. polarisation of light by reflection, † 1812.

Malva, *v.* Mallow.

Malvoisie, sweet wine, orig. fr. Malvasia, Greece: same as Malmsey.

Mamaluke, or Mameluke, Arab. *mamelûk* = a purchased slave; orig. Circassn. slaves of the Bey of Egypt, introdcd. 13th cent.; in 1254–1517 M.'s were Sultans of E., & even after overthrow by Selim I. they contd. to be the ruling class; in 1811 the last 470 were masscrd. by Mehemet Ali at Cairo.

Mambhum, distr. of Bengal, B. Ind.; 4,921 s.m., 1,000,000 inh. Chf. ⊙, Purulia.

Mammalia, zool., highest class of sub-kgdm. *vertebrata*, charact. by teats, red warm blood, lips & teeth, hair, usly. 4 limbs & 5 toes; cranium large; vertebr. col. 5 regions (cervical, dorsal, lumbar, sacral, & caudal); brain has *corpus callosum*, heart 2 auricles & 2 ventricles; respiratn. by lungs; complete diaphragm. Divd. by Owen (1857), fr. structure of brain, into 4 orders: Lyencephala (incldg. Monotremata & Marsupialia), Lissencephala (Rodentia & Insectivora), Gyrencephala (Carnivora & Quadrumana), & Archencephala (Man); by Huxley into 3 sub-classes: Ornithodelphia (Monotremata), Didelphia (Marsupialia), Monodelphia (all the other orders). In ⚒ few *M.* occur, most of the fossils being marine; 1st met with in Upper Triassic rocks.

Mammee Apple, or Wild Apricot, ✿, edible fruit of *mammea americana* of S. Amer.; seeds anthelmintic, flowrs. yield *Eau de Creole*, a stomachic spirit.

Mammon, Syr. god, or personification of riches.

Mammoth, palæont., *elephas primigenius*, extinct specs. of elephant, covered with hair, widely distrib., 1st discovered 1799 in ice at mouth of ⅄ Lena.

Mammoth Cave, Edmonson Co., Kentucky, extends 9 m. from mouth.

Man, Isle of, in Irish Sea, *ca.* equi-dist. from Eng., Irlnd., & Scot.; 227 s.m., 55,000 inh.; ▲, Snaefell, 2,036 ft.; cap., Castletown, 2,300 inh. Chf. ⊙, Douglas, 16,000 inh.; bpric., Sodor & Man. Und. govr. & councl., with repres. assmb, called Ho. of Keys. Bought from dks. of Athole 1765 & 1827; rys. 50 m.; reven. *ca.* £54,000.

Man of Ross, John Kyrle, philanth. of Ross, Herefordsh. *v.* Kyrle Society.

Man of Sin, †, an expressn. in 2 Thess. ii. 3, variously applied to Antichrist, to the Pope, to Cromwell, &c.

Man, Prehistoric. The remains of, in form of implemts., are distrib. by Lubbock among 4 periods: (1) Palæolithic or Old Stone Age; (2) Neolith. or New Stone; (3) Bronze; (4) Iron. (1) is also called River-drift Period, because the remains—of chipped stone & carved bone—are found in ⅄-drift; (2) called Cave Period, bec. implemts.—of several varieties of stone, often highly polished—fnd. in caves. Much diff. of opinion as to antiq. of man. *v.* Cave-dwellings, Kitchen-middens, Lake-dwellings, Tumuli.

Man-of-War Bird, *v.* Frigate B.

Manasseh-ben-Israel, Joseph., Portug Talmudist, * 1604, † 1660.

Manatee, or Lamantin, zool, the gen. *manatus* of herbiv aquat. mammals, fam. *manatidæ*, ord. *sirenia;* 2 species, on oppos. shores of Atlant, 10 to 12 ft long, cylindr., large shovel-shaped tail, 2 flippers; prob. the M., w. rhytina & dugong (*q v.*) mermaids & sirens of ancient myth poetry.

Manby, Geo. Wm., ⚓, invntr of mortar for line-throwing, & of fire-extingshr., * 1765, † 1854.

Manchester, 1] Hv. Montagu, 1st earl of, ⚔. * 1563; Chf. Just. K 's Bench 1616, Ld. Treas 20, Ld. Privy Seal, † 42. 2] His s, Edwd. M., 2nd E. of, statesm. & ✍, * 1602; creat Ld. Kimbolton during fath 's life, Great Seal 46, assisted Restoration, † 71.

Manchester, ⊙ Lancs; cotton, machin., silk mnf., &c; Free Trade Hall, Town Hall, Exchange, Assize Courts; Owens College, opnd 1851, became nucleus of Victoria Univ. 80; bpric. 47; ship canal to connect M. w. sea begun 87, 393,676 inh.; rets. 6 M.P.s. N., N E, N.W, S, S.W., E.

Manchester School, early advocates of Free Trade, whose hd-qrtrs were at M., & who also protested agnst. aggression in foreign politics.

Manchineel, or Manzanille, ☘, W.Ind. tree, *hippomane mancinella;* yields poisonous milky juice used for poisoning arrows; fruit diuret.

Manchuria, pt. of Chin Emp. betw. ⚓ Amoor & Corea & China proper; 3 provs. (Chin-King, Kirin, Tsi-tsi-Kar); 362,313 s.m., 13,000,000 inh. Chief ⊙s, Monkden, Kirin. Manchu. dyn has ruled in China since 17th cent.

Mancini, Stanislas, Ital. orator & statesm., * ca. 1815 Naples; Min of Educatn. 62, of Justice 76-8.

Manco Capac, 1] I, fndr. of Emp. of Peru, & chief of Incas, 12th cent. 2] II., last Inca of Peru, assassd. by a Span. 1563.

Mandalay, chf. ⊙ Upp. Burmah, on ⚓ Irawadi; 100,000 inh. Cap. ⊙ Burmah 1860-86, Amarapura 1860.

Mandamus, ⚖, Lat. = we command, writ addressed by higher to lowr. court, or to corporatn. or person, requiring specified thing to be done.

Mandarin, genl. title for Chinese official of rank; orig. from Malay *mantri* = counsellor.

Mandeville, 1] Sir John, trvlr. & ✍, * ca. 1300 St Albans; to East 22, 54, ✍ account of travels in Lat. 56, afterw. transl. it into Fr. & Eng., the 1st prose bk. in Eng. extant, † 72 Liege. 2] Bernard de, poet. & ✍, * ca. 1670, † 1733. "Fables of Bees" 14, &c.

Mandi, nat State of Panjab, Ind., 1,200 s.m., 148,000 inh. Chf. ⊙, M.

Mandioc, *v.* Cassava.

Mandla, district of Brit. Ind., Cent. Provs.; 4,719 s.m., 215,000 inh. Chf. ⊙, M.

Mandrake, ☘, the genus *mandragora*, narcot & poison. plant, of S. Eur & the East; many superstn. gather around it from likeness of root to human form.

Manes, Rom. myth., ancestral deities.

Manes, *v.* Manichæans.

Manetho, Egypt. priest 3rd cent B C, ✍ in Grk a ☥ of Egypt, of wh. only list of dynasties remns.

Manganese, ⚗, diatom. metal element, symb. Mn; atom. wt. 55; occurs in many ⊕s, chfly as peroxide (black ox. of M.), sulphide, & carbonate, 1st elimd. by Gahn 1774.

Mangarevas, *v.* Gambier Islnds.

Mango, ☘, 1] kidney-shaped fruit of *mangifera indica* of India, but cultivd. also in W. Indies. 2] Fruit of any of gen. *mangifera*.

Mangold Wurzel, ☘, *beta vulgaris*, var. *macrorhiza*.

Mangosteen, ☘, fruit of *garcinia mangostana* of Malacca, &c.

Mangrove, ☘, the gen *rhizophora*, esp. *R. mangle;* gives off roots from branches; seeds germ.

on tree; fruit of common M. sweet & edible; bark astringent.

Manichæans, † sect fnded. in Pers. 3rd cent. by Mani, or Manes, combining Magian & Christ. systs.; 2 eternal principles, Good & Evil. Mani claimed to be the Paraclete; burnt alive 277.

Manilla, *v.* Philippine Islands.

Manin, Daniel, Ital. patriot, * 10/5 1804 Venice; Presdt. of Venet. Repub. 48, on capit. of V. to Austr. 49 retired to Paris, † there 22/9 57.

Manipur, nat. State of N.E. Ind., und. Chf. Comsr. of Assam; 7,600 s.m., 139,000 inh. Cap. ⊙, M.

Manisty, Sir Henry, ⚖, * 1808 Edlingham, Northumb.; Q.C. 57, J. of Q.'s Bench Divsn. 76.

Manitoba, prov. of Canada, formerly called Red ⅄ Settlement, to S.W. & E. of Lake Winnipeg; bounded on S. by U.S.A.; transfrd. fr. Hudson's Bay Co. to Brit. Govt. 1869, admitted as prov. of C. 70; rich soil, ⚷; 174,000 s.m., 108,640 inh. Cap. ⊙, Winnipeg, on Red & Assiniboine ⅄s; 35,000 inh.

Manitou, Red Ind. *myth.*, any spirit or any object of reverence; specif. the good spirit. In Eng. lit. the Indian god.

Manley, Mrs. de la Rivière, nov. & ✍ ✓, * 1672, † 1724.

Manlian Orders = overstraind. severity. *v.* Manlius 2.

Manlius, 1] Marcus M. Capitolinus, Rom. patric.; ldr. of pop. party, thrown fr. Tarpeian Rock B.C. 384; called Cap. bec. he saved the Capitol when aroused by noise of sacred geese 390. 2] Titus M. Torquatus, Rom. ⚔ tribune 4th cent. B.C.; put son to dth. for disobdnce. to orders.

Manna, an exudation fr. certain specs. of ash, *fraxinus ornus*, S. Europ., & *F. rotundifolia*, oriental; ℞, mild aperient; a similar ex. fr. shrubs in Arab., &c., used as food, has a bitter-sweet flavour, due to mannite, an alcohol. substce. closly. related to sugars. Does not correspond w. M. of Bible.

Manna Grass, ☘, pop. name of *glyceria fluitans;* abounding in watery places in Brit. & Europe; 1 to 3 ft. high; applied also to other specs. of same genus.

Manners, Ld. John Jas. Robt., 2nd s. of 5th dk. of Rutland, Conservative statesm., * 13/12 1818 Belvoir Castle, Leics.; memb. of "Young Eng." party, M.P. Newark 41, Colchester 50–7, N. Leics. 57–85, E. Leics. 85, 1st Comsr. of Wks. 52, 58–9, again in 66–7 (with seat in Cab.), Postm.-Genl. 74–80, 85–6, Chanc. of Duchy of Lancs. 86. ✓ "Eng. Ballads" 40, &c.

Mannheim, ⊙ in Gd. Duchy of Baden, formerly cap. of Palatine of Rhine; 54,000 inh.

Manning, 1] Hy. Edwd., †, * 15/7 1808 Totteridge, Herts.; Dble.-1st B.A. Oxf. 30, Fell. of Merton Coll., archdn. of Chichester 40, memb. of Tractarian party, joined R. Cath. Ch. 51, archbp. of Westminster 65, cardinal 75. ✓ "Unity of Church" 45, "Grounds of Faith" 50, "Temp. Sov. of Popes" 60, "Vatican Counc." 70, "Vat. Decrees" 75, &c. 2] Anne, nov. ✓, * 1807; "Mary Powell."

Mannozzi, Giov. (*alias* Giov. da San Giovanni), ●, * 1590 San G., Tuscany, † 1636 Florence.

Manns, August, ♪, * 1825 Stettin, Pruss.; director of Crystal Pal. orchestra 55.

Mannyng, Rbt., or R. de Brunne, 13th cent. Eng. metrical chronicler.

Mansard-roof, or Curb-roof, ⅄, a roof in wh. the rafters are broken on each side into an elbow to give height to attics: named after M., Fr. ⅄ (1598–1666).

Mansel, Hy. Longueville, †, * 1820 Cosgrove, Northamp.; Waynflete prof. of mor. ✍ 55, dean of St. Paul's 69, † 30/7 71. ✓ "Prolegomena Logica" 51, "Limits of Relig. Thought" (controversy with F. D. Maurice & others) 58.

Mansfield, Wm. Murray, earl of, ⚖, * 2/3 1704 Perth; Chf. Just. K.'s Bench 56–88, † 20/3 93, buried in W. Abbey: unpop. polit. views.

Manslaughter, ⚖ unlawful killing without express malice

Mant, Richd Angl † * 1776 Southamp bp of Killaloe of Down & Connor † 1848 / (w D Oyly) Comment on Bible

Mantell, G A ⚒ & / * 1790 Lewes † 1852 London

Manteuffel, 1] E H C Visct von Germ fil marsh * 24/9 1809 Dresden prom pt in Fr Germ War Govr Genl of Alsace Lorraine 79 † 17/6 80 2] Otto Theodor Visct von Pruss statesm cousin of 1 * 3/2 1805 Lubben † 26/11 82 leader Ultra Conservs

Mantis, entom gen of trop insects ord *orthoptera*

Manton, 1] Thos Nonconf † * 1620 † 77 2] Joe M a fowling piece made by a gunsmith of that name

Mantua ♔ ○ Ital cap of prov of same name stands on 2 islnds in ⚓ Mincio transf to Italy by Austr 1866 was one of Quadrilat ♔s 27 000 inh silks, Virgil * in vicinity

Manutius, *v* Al lus Manutius

Manx Cat, zool variety of the domestic C tail less or w only rudimentary tail nat of I of Man

Manuel, 1] Comnenus Rom Emp of East * 1120 † 80 2] Palæologus ditto * 1349, succ 91 † 1425 3] Francisco greatest Port poet since Camoens * 1734 Lisbon driven to Paris by Inquis, † there 1819

Manuzio Aldo, *v* Aldus Manutius

Manwood, Roger ⚖ * 1525 Sandwich Just of Com Pleas 72 Chf Bar of Exchequ 78, fell into disgrace † 92

Manzoni, Ct Alessandro Ital poet & nov /, * 7/3 1784 Milan, † 22/5 1873

Maoris, aborig natives of New Zealand conf to North Island

Mapes, or Map, Walter archd of Oxford, * 1150, satir of Ch & clergy, † 96 / "Confession of Golias"

Maple, ✱ gen (*acer*) of tribe *acerineæ* ord *sapindaceæ* widely distrib in temp regions of both hemispheres Common M indig to Brit wood used for cabinet work Sycamore M much larger tree wood firm without being hard, sevl specs yield sugar

Mar, John earl of Scot noble * 1671 organd rebelln of 1715 fled w Jas to Cont & became Govt spy † 52

Maracaybo, ○ Venezuela 25 000 inh cap of prov & nr lake of same name

Maranon, ⚓ *v* Amazon

Marantaceæ, ✱ ord of plnts some specs of wh yld arrowroot (*q v*)

Maraschino, a liqueur from a Dalmatian cherry

Marat, Jean Paul Fr journ & revolut * 24/5 1744 Baudry Neufchatel kld in bath by Charlotte Corday 13/7 93 feroc demagogue

Marathon, anct ○ villg of Attica nr bay on E coast 22 m N E of Athens ⚔ on Plain of M 490 B C Darius deftd by Miltiades

Marbeck Jno ♫ & / * 1523, organ St George s Ch Windsor † 80 / of Bible concordance

Marble, *v* Limestone

Marcellus, Marcus Cl Rom genl 5 times Consul opponent of Hannibal captd Syracuse 213 B C kld 208

Marcerite, *v* Pyrites

Marcet, Jane En educational / * 1769 † 1858

March (fr Rom god Mars) 3rd month 31 days until 1752 year in Eng began 25th of M *v* Calendar

March, 1] ⚔ progress slow M 75 paces of 30 ins each per min quick M 120, double quick M 165 2] ♫, a composition suitable for accompanying troops on the M

Marche, old prov of Fr, nrly corresp'g w mod dept of Creuse

Marchetti, Marco (*alias* M da Faenza) Ital grotesq ✱ † 1588

Marcianus, Roman Emp of East, * 390 Thrace, † 457

Marcion, †, 2nd cent., founder of Gnostic sect named after him, resemblg. Manichæans (*q.v.*).

Marck, Wm. de la, Fr. noble known as *Sanglier des Ardennes* = Wild Boar of the Ardennes, * 1446, † 85; introd. into "Quentin Durward."

Marco Polo, *v.* Polo.

Marcus Aurelius, *v.* Aurelius 1.

Marcy, Wm. Larved, American statesm., author. on internatnl. ⚓t, * 1786, † 1857.

Marengo, villg. of It., Alessandria prov., where Bonaparte deftd. Austrians 14/6 1800.

Mare's Nest = a false find.

Margaret of Anjou, d. of René of Anjou, * 1429; m. Hy. VI. of Eng. 45, tk. act. pt. in pub. affairs, carried on long contest w. Yorkists, confined to Tower after ⚔ Tewkesbury 4/5 71, released by mediation of Louis XI. 75, † 82 France.

Margaret Tudor, eld. d. of Hy. VII., * 1490 Westminster; m. Jas. IV. of Scot. 1503, E. of Angus 14, aftwds. E. of Methven; driven to Eng. by dk. of Albany 15, † here 42.

Margary, Aug. Raymond, Eng. explr. of China, * 1846 Belgaum, Ind., murd. by Chin. 21/2 75. ✓ accounts of his journeys 75 & 76.

Maria, 1] Adelaide, Q. of Sardinia, & d. of Archdk. of Austria, * 1822 Milan; m. (42) cousin, Victor Emanuel (afterwards k. of It.), † 55 Turin. 2] Beatrice Eleonora d'Este, d. of Alfonso IV., dk. of Modena & Este, & w. of Jas. II., * 1658 Mod.; m. 1673, † 1718 St. Germain-en-Laye. 3] Louisa, d. of Francis I. of Aust., * 1791; m. Napoleon I. 2/4 1810, on his abdic. retired to Schönbrun; received duchies of Parma, Placenza, & Guastalla 16; m. Cnt. v. Niepperg morgan., † 18/12 47 Vienna. 4] Theresa, German Empress, d. of Emp. Chas. VI., * 13/5 1717 Vienna; m. dk. Francis Steph. of Lorraine 36, on † of Chas. VI. in 40 became Q. of Hung. & Bohem., & Empress of Aust.; her succession opposed by Bavar. & Prussia, "Seven Years' War," † 29/11 80; bold & energetic. 5] M. da Gloria, Q. of Portugal, * 1819; suc. Pedro IV. 22, driven out by Dom Miguel 28, restored 33, m. Augustus dk. of Leuchtenburg 35, aftwds. m. Fredk. of Saxe-Coburg, † 15/11 53.

Maria de Medici, *v.* Medici.

Mariana, Juan de, Span. ✍ & polit. ✓, * 1536 Talavera, † 1623; "Historia de España" 1592; picturesque but sober in style.

Marianus Scotus, 11th cent. chronicler.

Marie Antoinette, Josephine Jeanne, youngest dau. of Francis I. of Aust. & Maria Theresa, * 2/11 1755 Vienna; m. Louis XVI. of Fr. 16/5 70 at age of 14½, guillotined in Fr. Revolutn. 16/10 93; beautiful but extravagant & indiscreet.

Mariette, A. F. F., Fr. orientalist, * 11/2 1821 Boulogne; memb. of Fr. Acad. 78, pasha 79, † 22/1 81.

Marigold, ❀ (Mary [Virgin M.] + gold), pop. name of sevrl. plants of ord. *compositæ;* common M. belongs to gen. *calendula*, nat. to S. Europe; Marsh M. belongs to ord. *ranunculaceæ.*

Mariner's Compass, ⚓, consists of a magnetised bar of steel (the needle), w. cap in centre, supported on pivot; a circular card fixed to needle turns with it, & is marked w. the 32 points of the C. (rhumbs); needle & card enclosed in circ. box, covrd. w. glass top, & hung on rings (gymbals) so as to be unaffected by vessel's motn. Orig. unknown; perhaps brought to Europe fr. China *ca.* 1260.

Marines, troops und. the Admiralty, & enlisted for serv. either on ship or on shore.

Marino Falieri, *v.* Falieri.

Mario, Giuseppe, marchese di Candia, ♪ singer, * 1808 Turin; m. Grisi, left London stage w. fortune 19/7 71, lost it at Rome, † 11/12 83.

Mariotte, Edm., nat. ⚗, * 1620, † 81 Paris. Discovered "M.'s law," also blind spot in the eye.

Mariotte's Law, or Boyle's Law, the L (discovrd independntly by E Mariotte, 17th cent & by Boyle) that the temp of gas remaining same, the volume is inversely as the pressure

Marisco, Richd de † & statesman, bp of Durham, chanc of John & of Henry VI † 1226

Marius, Caius Rom consul, * 157 B C, low origin, deftd & captured Jugurtha, deftd Teutones & Cimbri, massacred friends of Sylla, who had driven him into exile, † 86

Marjoram, ♃ genus *origanum*, esp the common M, *O vulgare* Sweet M & most other specs nat of Mediterranean coast

Mark, a silver coin of Germ = Eng shilling, old Eng M = ⅔ of £1 sterling

Mark Antony (Marcus Antonius), Rom genl & statesm, * *ca* 83 B C, on J Cæsar's death aimed at suprem, but deftd by Octavianus, who afterw shared power w him & Lepidus (Triumvirs) Asia allotted to him, became captivated by Cleopatra, assum d style of oriental despot, deftd by Octav at Actium 2/9 31 killed himself 30

Mark, Sir Brit myth, king of Cornwall Sir Tristram's uncle

Mark Twain, *v* Clemens

Markham, 1] Gervase, ✕ & poet * 1570, † 1655 2] Mrs pseud of Mrs Eliz Penrose, ✓ of pop school books

Markland, 1] Jeremiah, schol & critic, * 1693, † 1776 2] Abrah, † & poet, * 1645, † 1720

Marks, Hy Stacey, ☻, * 13/9 1829 London, A R A & A Water Col Soc 71, R A 19/12 78

Marl, ⚒, rock comp of clay & carb of calcium, M slate is hard M wh splits into layers

Marlborough, 1] J Churchill, dk of, genl & statesm, * 24/6 1650 Ashe, Devon, at 1st a page to dk of York, aided by influ of his sist Arabella (the dk's mistress) rose to distinction, m Sarah Jennings 78, suppressed Monmouth's rebellin against Jas II 85, joined Pr of Orange 88 & was made Earl of M, appointed by Q Anne capt genl of all forces & plenipotentiary at Hague 1702, commanded allied forces in War of Spanish Succession, gained victories at Blenheim, Ramillies, Malplaquet, Oudenarde, &c, rewarded w estate of Woodstock & perpet pensn of £4,000 a year, fell fr court favr owing to wife's unpop, & was deprived of all Crown offices, reinstated by Geo I 14, † 16/6 22, brillnt but unscrup 2] His wife Sarah Jennings, duchess of, * 29/5 1660, fav & adviser of Q Anne until supplanted by Mrs Masham, † 29/10 1744 worth £3 000 000, imperious & avaricious 3] John Winston Spencer Churchill, 7th dk, statesm, * 2/6 1822, Lord Presdt of Counc 67, Viceroy of Ireland 76-80, † 5/7 83

Marlborough, ⊙ of Wiltshire, p 200 inh, M Coll fnded 1843

Marlborough, Statutes of, laws passed *temp* Hy III by Parlt held at M Castle

Marlitt, E, pseud of Eugenie John (*q v*)

Marlowe, Christopher, ✆ ✓, considrd by many 2nd to Shakesp, * *ca* 1563 Canterbury, † in tavern brawl 93 *Tamburlaine, Dr Faustus, Jew of Malta, Edwd II*, &c

Marmion, Sheckerley, poet & ✆ ✓, * 1602, † 39

Marmion, Sir W Scott's hero, is a purely fictitious character, although there was a Norm family of De M

Marmont, A F L Viesse de, duc de Ragusa, marshal of Nap I, * 20/7 1774 Chatillon, † 2/3 1852 ✓ 'Esprit des Institutns Militaires'

Marmontel, Jean Franç, Fr ✆, rom, & misc ✓, * 1723 Bort, † 31/12 99 nr Abbeville

Marmora, A F, marquis della, Ital genl & statesm, * 1804 Turin; re orgd Sard & Ital armies, † 78

Marmora, Sea of (Propontis of anct ☻), betw Black & Ægean Seas, 170 m long, greatest breadth

55 m. Chief island, M., from wh. it is named.

Marmoset, zool., the fam. *hapalidæ* of small insectiv. American monkeys, differing from Old World monkeys in not having additional molar; sharp claws, long tail.

Marmot, zool., the gen. *arctomys*, of ord. *rodentia*; 8 species, widely distrib.; stout body, short tail, rudimenty. thumb; extreme length 25 in.; live in colonies, hibernate.

Marne, inld. department of Fr., bounded N. by Ardennes, S. by Aube, part of old prov. of Champagne; 3,159 s.m., 425,000 inh. Cap. ⊙, Châlons-sur-M.: named fr. ⚓ M. (ancient Matrona).

Marne, Haute, deptmnt. of Fr., S.E. of Marne (*q.v.*); 2,402 s.m., 260,000 inh. Cap. ⊙, Chaumont.

Maro, *v.* Virgil.

Marochetti, Carlo, Baron, Ital. ♘ who settled in England, * 1805 Turin, † 4/1 68.

Maroncelli, Pietro, Ital. poet, & compan. of Silvio Pellico (*q.v.*), * 1795 Forli, † 1846 in exile N. York.

Maronites, †, Syrian sect in Lebanon region, founded in 7th cent., maintaining that Christ with 2 natures had but 1 will; form of govt. a ⚔ commonwealth; since 1860 under same govt. as Druses (*q.v.*); *ca.* 150,000 in number; Patriarch of M. Ch. repts. to P. of Rome every 10 years.

Maroons, escaped slaves in West Indies.

Marozia, Rom. lady of 10th cent. who made several Popes, & deposed John X.

Marot, Clement, Fr. poet, * 1495 Cahors, † 1544; introd. rondeau, popularised sonnet & madrigal.

Marprelate, Martin, pseud. of / of anti-Episcop. tracts in reign of Elizabeth, attribtd. to Jno. Penry, or Ap Henry, exec. 29/5 1593 for seditious language.

Marque, *v.* Letters of Marque.

Marquesas Islands, Fr. grp. of 13 in S. Pacific, N.E. of Socy. Islds.; 500 s.m., *ca.* 6,000 inh.; discovered by Mendana, Span. nav., & named aft. Marquesas de Mendoza, then Viceroy of Peru.

Marquess, or Marquis, title next below that of duke; orig. an offr. who guarded the marches = frontiers. Wife, Marchioness.

Married Women's Property Act, ⚖, an Act wh. came into force 1/1 1883, & gives a M. woman the same right of acquiring & holding property as a single woman.

Marriott, Wm. Thackeray, ⚖ & polit., * 1834; Q.C. 77, M.P. for Brighton as Librl. 80, as Conserv. 84, 5, 6, Judge Adv. Genl. 85, 6.

Marrow, a fatty subst. occupg. the hollows (medullary canals) in bones of mammals; same elements as fat; espec. rich in oil; most abundant in adults; function uncertain.

Marrow Controversy, †, a dispute in the Scot. Ch. over an old Puritan book, "Marrow of Modern Divinity," republ. 1718, condemned by General Assembly 20, when 12 ministrs. ("Marrow-men") protestd.

Marryat, 1] Capt. Fredk., ⚓ novel /, * 10/7 1792 London, † 2/8 1848 Langham, Norfolk. "Peter Simple" & "Jacob Faithful" 34, "Japhet in Search of a Father" & "Mr. Midshipman Easy" 36, "Snarley-yow" 37, "Phantom Ship" 39, "Masterman Ready" 41, &c.; Life by dau. 2] His d., Florence, nov. /, * 1837 Brighton; m. Mr. Ross-Church. "Open Sesame," "Written in Fire," &c.

Mars, Anne Franç., Fr. ♀, * 5/2 1779 Paris, † 20/8 1847.

Mars, Rom. myth., god of war, 1 of 3 tutelary deities of Rome, father of Romulus; identical with Greek Ares.

Mars, ♂, 4th planet from sun (140,000,000 m. distant), half as far again as earth (the 3rd); day ½ hour longer than earth's; revoln. round sun 687 days; eccent. of orbit much greater than earth's, so that seasons much longer than ours; diam. 4,363 m., little more than half

the earth's; atmosphere like ours, continents&seas, fiery red, 2 satellites(discvd 1877) Deimos & Phobos, the smallest celest bodies known

Marsala, ⊙ of W Sicily 35,000 inh, celebrated for wine, a kind of sherry

Marschner, Heinr, Germ ♫, * 16/8 1769 Saxony, † 14/2 1861 Hanover Composer

Marsden, Wm, numismatist & ✓ on Sumatra & Malay, * 1754 Dublin, presented collection of coins to Brit Museum 1834, † 36

Marseillaise, The, a revol song written & composed by Rouget de Lisle at Strasbourg 1792, so called because sung by party of Marseilles Club as they entered Paris to take part in Revolution prohibited by Bourbons & Bonapartes

Marseilles, 3rd ⊙ & 1st port of Fr, cap of Bouches du Rhone deptmt, on E coast of G of Lyons, 365 000 inh, manufacts & docks, the Massalia of Romans

Marsh, 1] Cath, relig ✓ & philanth, * 1820 "Memorials of Hedley Vicars, &c 2] Herbt, †, * 1757, bp of Llandaff, afterw of Peterb, † 1839 3] Jas, Eng toxicol, * 1789, † 1846 4] Narcissus, Irish †, * 1638 † 1713, founded & endowed M library at Dublin

Marsh-gas, ⚗, a hydro carbon G very abund in nature, richest in hydrogen of all compds, evolved fr stagnt water & in coal pits, where it is called fire damp

Marsh Mallow, *v* Mallow

Marsh Marigold, ✱, perennial herb of gen *caltha*, esp *C palustris*, kidney shaped leaves large flwrs, no petals, grows in marshes

Marsh (or River) **Tortoise,** zool, the fam *emydes* of reptiles ord *chelonia*, carniv, terrest & aquat, slender limbs, webbed toes, widely distributed

Marshall, 1] Wm Calder, ♘, * 1813 Edinb, Assoc of Scot Acad 42, A R A 44, R A 52 2] John, Amer ⚖ & statesm, * 1755 Virginia, Chf Just of Supr Crt 1801 † 35 3] Steph, Nonconf †, † 1655, 1 of ✓s of 'Smectymnuus (*q v*)

Marsham, Sir John, ✓ on Egyptology † 1685

Marshman, Josh, Bapt missy & Chin schol, * 1768 Westbury Leigh † 1837 Serampore

Marston, 1] John ✆ ✓, * 1575, † aft 1633 2] Philip Bourke, poet, nov, & music ✓ * 13/8 1850 Lond; early became blind † 87 "Song-tide 70 'All in All 75, "Wind Voices 83 3] Westland, LL D, poet & ✆ ✓, father of 2, * 30/1 1819 Boston

Marston Moor, 5 m W of York ⊙ ⚔ 2/7 1644 Royalists deftd by Parlts

Marsupialia, zool, pouched anims includg opossums, native cats native ant eaters, bandicoots, kangaroos phalangers, & wombats, forming ord of class *mammalia*, confined to Australasia, except opossums of Amer, dist also by absence of placenta

Marsyas, Grk myth, a Phrygian flute player flayed alive for challenging Apollo to a contest of skill, fr his blood arose the ♘ M

Martel, *v* Charles 4

Martello Towers, round ✱s built early in this cent on S coast of Eng, &c name orig given to Sicil & Sardinian coast towers, etym uncertain

Marten, zool, any anim of sub gen *mustela* resembles weasel, sevl specs *Martes sylvestris* extinct or nearly so in Brit, handsome fur

Martial (Marcus Valerius Martialis) Lat ✓, * 43 Bilbilis, Spain, settled in R, † 104 "Epigrammata witty but obscene

Martial Law, state when all justice & law proceeds directly fr. milit force in comd of a district Confined to invasion rebellion, or grave emergencies

Martignac, J B G, Vic de, Fr statesm, * 1776, † 1832

Martigny, tourist ⊙ Valais canton, Switz.; 2,000 inh.

Martin, 1] John, ●, * 19/7 1789 nr. Hexham, † 9/2 1854. 2] Theo., poet, translr., & misc. ✓, * 1816 Edinb.; m. Helen Faucit (*q.v.*) 51, C.B. 75, K.C.B. 80, Ld. Rect. St. Andrew's 80–3. ✓ "Bon Gaultier Ballads" (with Aytoun), "Life of Aytoun" 67, "L. of Prince Consort" 74–8, "L. of Ld. Lyndhurst" 83; transl. of Horace, Dante, Goethe, Heine, &c. 3] Bon L. H., Fr. ♛ & polit., * 20/2 1810 St. Quentin; electd. Senator 76, memb. of Fr. Acad. 78, † 14/2 83. 4] Thos., Eng. Ψ, * 1697, † 1771. ✓ "Monumenta Anglicana."

Martin, St., †, bp. of Tours towards end of 3rd cent. Martinmas, or St. M.'s Day (11/11) a grt. day in Scot. & N. of Eng.

Martin, name of 5 Popes of Rome.

Martin, ornith., gen. of swallow fam., *hirundinidæ;* insectiv. passage-birds; 2 specs. visit Brit. in summer, House M., *chelidon urbica,* & Sand Martin, *cotile riparia.*

Martineau, 1] Harriet, ♛ & misc. ✓, * 12/6 1802 Norwich; brt. up a Unit., became Agnostic, † 27/6 76. "Hour & the Man" 40, "Letters on Mesmerism" 45, "Eastern Life" 47, "Thirty Years' Peace" 49–50, Autobiography 76, &c. 2] Jas., ♙, & Unit. †, broth. of 1, * 21/4 1805 Norwich; prof. of ment. & mor. ♙ Manchester New Coll. 40, Principal 69–85, LL.D. Harvard 72, Dr. of † Leyden 75, D.D. Edin. 84. ✓ "Endeavours aft. Christ. Life" 43, "Modern Materialism" 74, "Hours of Thought" 76–80, "Essays" 79, "Spinoza" 82, "Types of Ethical Theory" 85, "Study of Relig." 88, &c.

Martinet = a strict disciplinarian: aft. Genl. M., an offr. under Louis XIV.

Martinique, Fr. isld. of Lesser Antilles, N.W. of Barbadoes; 380 s.m., 165,000 inh.; exports sugar & coffee. Cap. ⊙, Fort-la-France.

Martinmas, *v.* Martin, St.

Martyn, 1] Hy., missy. in East, * 1781 nr. Truro; s. of a miner, † 16/10 1812 Tokat, Asia Minor. 2] Hy., ✓; a contrib. to *Spectator,* † 1721.

Martyr, Justin, *v.* Justin.

Marut, Hindu myth., god of wind & tempest.

Marvell, 1] Andrw., Purit polit., wit, poet., & misc. ✓, * 15/11 1620 Hull; M.P. for Hull 60–78, † 16/8 78. Works & Life pubd. 1776. 2] Ik, pseud. of D. G. Mitchell, Amer. ✓.

Marx, 1] Karl, econ., revol., & socialist, son of a Christ. Jewish ⚖, * 1818 Treves; expelled fr. Fr. 44, afterwards fr. Belg.; organsd. International Workg. Men's Assoc., † 83 Paris. ✓ "Das Capital," &c. 2] A. B., Germ. ♫, * 27/11 1799 Halle; prof. there, † 17/5 1866.

Mary, 1] I., Q. of Eng. ("Bloody Mary"), d. of Hy. VIII. & Kath. of Aragon, * 18/2 1517 Greenwich; suc. Edwd. VI. 53, m. Philip II. of Sp. 54, lost Calais 58, persecuted Protests., † 17/11 1558. 2] II., d. of Jas. II. by Ann Hyde, * 30/5 1662; m. Pr. of Orange 77, became jnt. sovgn. w. hsm at Revol. 88, † 28/12 94 Kensington. 3] Stuart, or M. Q. of Scots, d. of Jas. V. of Scot. & Mary of Lorraine, * 8/12 1542 Linlithgow; succ. her fath. before a week old, educ. at Fr. court, m. Dauphin of Fr. 24/4 58, clmd. Eng. throne on ground of Eliz.'s illegit.; m. Ld. Darnley 29/7 65, & E. of Bothwell 15/5 67; deftd. by her subjects at Langside 12/5 68, fled to Eng., was imprsnd. by Eliz., behead. on charge of treason 8/2 87 Fotheringay Castle, buried in Peterboro' Cathed., remains removed by her son (Jas. I. of Eng.) to Westminster Abbey.

Maryland, a W. ⚓ State of U.S.A., 1 of orig. 13, fnded. 1632, named aft. Henrietta Maria, Q. of Chas. I.; ✓, ●s, oyster-fisheries; 11,124 s.m., 940,000 inh. Cap. ⊙, Annapolis; chf. ⊙, Baltimore.

Marylebone, bor. of London; 500,000 inh.; rets. 2 M.P.s, E. & W. divs.

Masaniello (Tommaso Aniello), Naples fisherman, * 1622 Amalfi, led successful revolt agst Span viceroy 47, aft a few days assassd Subject of opera by Auber

Masatoyo, Jap iron worker, 17th & 18th cents

Mascarene Islands, group in Ind O, E of Madagas named aft Mascarenhas Portug navig Mauritius & Rodriguez are Brit, Reunion, French

Maseres, Francis, Eng ⚖ * 1731, Atty Genl of Canada, afterwards Recorder of London, † 1824

Masham, Lady, *nee* Abigail Hill courtier, introd to Q Anne s court by dchss of Marlboro, whom she supplanted, secretly m Francis M, who was made peer, on Q s † left court, † 1734

Maskelyne, Nevil, math & ✶, * 1732 London, † 1811 Projected *Nautical Almanac*

Mason, 1] Wm, ☉ ✓, poet, & biog of Gray, * 1725 Hull, † 97, his "Life of G the model of Boswell s "L of Johnson 2] Chas, Eng ✶, † 1787 3] Jas Murray, Amer polit, * 3/11 1798, was seized on board *Trent* by Feds while on way to Eng as a Confed comsr, released aft 2 mos on representn of Eng Govt, † 28/4 1871 4] John ✝ * 1706, † 63 ✓ "Self Knowledge 5] John M, Amer ✝, * 1770 New York, † 1829

Mason & Dixie's Line, boundary line betw Pennsylv & Maryland, U S A, marked out by M & D, Eng surveyors, 1763 67, in settlement of dispute betw Penn & Baltimore families

Maspero, G C C, Fr Egyptol, * 23/6 1846 Paris, many discovs in Nile Valley

Mass, 1] physics, the quantity of matter a body contains 2] Roman ✝, the Communion Serv, called by R s the Sacrifice of the M, the doctrine being that in the celebration a propitiatory sacrifice is offrd to God for both living & dead said to be derivd fr Low Lat *missa*, used in formula *Ite, missa est* = Go, it (the congregation) is dismissed In High M the service is sung, & the celebration more solemn than in Low M

Massachusetts, a W ⚓ State of U S A, fnded 1620 by *Mayflower* settlers, 1 of original 13 States, mnfs, ⚙s, fisheries, ✓, 7,800 s m, 1,790 000 inh Cap ⊙, Boston

Massage, ✋, a rubbing, kneading, & pressing of the body in a certain manner A mild form usual aft Turk bath, & removes fatigue Also used in many diseases

Masséna, A, duc de Rivoli & Prince of Essling, marshal of Nap. I, * 6/5 1758 Nice, brillnt serv in Italy, Switz, Spain, &c † 4/4 1817.

Massey, 1] Wm Nathan, polit & ♆, * 1809, Und Sec for Home Departmt 55–8 Ch of Committees 59, Ind Fin Min 65–8, † 25/10 81 ✓ "♆ of Eng und Geo III 55–63 2] Gerald, poet & polit ✓, * 29/5 1828 Tring "Babe Christabel" 54, &c

Massillon, Jean Baptiste, ✝, eloquent Fr preacher, * 24/6 1663 Hieres, bp Clermont 1717, † 18/9 42.

Massinger, Philip, ☉ ✓, * 1584 Wilton, † 1640 Southwark 37 plays, incldg *A New Way to Pay Old Debts* 33

Masson, 1] David, biog, phil, ♆, & crit ✓, * 2/12 1822 Aberdeen; prof of Eng ✓ Univ Coll Lond 52, in Edinb Univ 65, editor of "Register of Scot Privy Counc 79, "Life of Milton 59–80, "Recent Brit ☙ 65, "Essays" 74, &c 2] Franc, Scot ✉, * 1741, † 1805

Massorah, Hebr ✓, a marginal directory of the MS of the Old Test, containg the various readings, & indicating how the words, &c, are to be written

Massowah, or Masowa, island of Red Sea, ca 1 m round, acqrd by Italy fr Egypt 1886, 7,000 inh

Mast, ⚓, a long spar of timber, iron, or steel, wh supports yards, rigging, & sails Fore-M = front

M., main-M. = centre M., mizzen-M. = the M. nearest stern. M. of large vess. consists of 3 sectns., lowest being the M. proper, next the top M., highest the topgallant M. Above some have royal M.

Master of Sentences = Peter Lombard. *v.* Lombard, Peter.

Master of the Horse, an offr. of royal household rankg. next to the Ld. Steward & the Ld. Chamberlain; superintends roy. stables, & in processns. rides next to Sovereign.

Master of the Rolls, ⚖, a memb. of the Crt. of Appeal who has cust. of Rolls or Records; next in dig. to Lord Chanc. & Ld. Chief Just.; the only Eng. judge who can sit in House of Commons.

Masterwort, ✿, the umbellif. gen. or sub-gen. *imperatoria*: esp. *I. ostrathium*, common or Great M.; naturalised in Scot. & N. of Eng.

Mastic, a resin (not a gum) obtained by cutting bark of *pistacia lentiscus*, Grk. Archipel., & used in making varnish.

Mastiff, zool., old Eng. breed of dog, prob. peculiar to Britain.

Mastodon, zool., extinct genus of proboscideans, closely allied to elephants, but much larger; both hemispheres; *M. ohioticus*, or *americanus*, or *giganteus*, survived to a late Pleistocene period.

Masulipatam, ⚓ ⊙ of Brit. Ind., chf. ⊙ of Kistna district of Madras; 87,000 inh.; chintzes.

Matahei, ⚇, fndr. of pop. sch. of Jap. ●, * 1578, † 1624.

Match, a combustible splint dipped in a compos. wh. ignites by friction. Slow M. is a cord steeped in solution of saltpetre & dried; burns 1 ft. an hour. Quick M., a cord coated w. meal powder & gum water, dried; 1 yd. in 13 secs. Lucifer M. invented 1834.

Maté, *v.* Paraguay Tea.

Materialism, ∴, syst. wh. regards mind as only a function of matter & the universe as a soulless mechanism.

Materia Medica, Lat. = healing matter: ⚕, (1) a list of remedies, (2) a description of them.

Mathematics, fr. Grk. *mathema* = that which is learnt; the science wh. treats of all kinds of quantities that can be measrd. or numbered: divd. into (1) Pure, Abstract, or Speculative; & (2) Mixed, Concrete, or Practical. Pure M. deals with numbers & magnitudes in the abstract, & consists of arith., algeb., & geom. Mixed M. deals w. their practical application.

Mather, 1] Increase, Amer. †, * 1639 Dorchester, New Eng.; president Harvard 85, † 1723. 2] His s., Cotton, learned † & ♛, * 1663 Boston, † 1728; a witch-hunter. ✓ an eccles. & civ. ♛ of New Eng., "Christ. Philosopher," "Essays to do Good."

Mathers, Helen Buckingham (Mrs. Reeves), nov. ✓, * 1852 Crewkerne.

Mathew, Theo. (*alias* Father Mathew), †, temp. reformer, & philan., * 1790 Tipperary; election as bp. of Cork vetoed by Pope 1847, † /12 56.

Mathews, 1] Chas., ☾, * 1776, † 1835. 2] His s., Chas. Jas., light com. ☾ & ☾ ✓, * 26/12 1803, † 24/6 78.

Mathieu, Cl. L., Fr. ✕, * 25/11 1783 Mâcon, † 6/3 1875 Paris.

Matilda, Q. of Eng., dau. of Hy. I., * 1102; m. Hy. V. of Germ. (afterw. Geoffrey Plantag.) 14, suc. to Eng. throne 35, driven to Fr. by Stephen, † there 67.

Matsys (or Massys), Quentin, Dutch ●, * 1460 Antwerp, † there 1529; at 1st a blacksmith, said to have taken to ● fr. love for a lady who could only be won by an artist.

Matterhorn, or Monte Cervin, craggy ▲ of Pennine Alps, 40 m. N.E. of M. Blanc, 14,835 ft.; summit 1st reachd. by E. Whymper 14/7 1865.

Matthew of Paris, 13th cent. chron., a monk of St. Albans; perhaps called M. of P., or M. P., bec. he had studied at Paris.

Matthew of Westminster, Benedict. monk of 14th cent. ✓ Chron. of Brit. fr. Creation to 1307. Sir F. Palgrave identifies him with M. of Paris (*q v.*)

Matthews, Hy, ♃ & statesm., * 1826 Ceylon; LL.B London 49, Q.C. 68, M.P. Dungarvan 68–74, Exam. in Com. ♃ to Counc. of Legal Educatn. 72–6, M.P. N. Birmingham & Home Sec 86; the 1st R Cath. Home Sec.

Matthisson, Fried v, Germ ✓, * 23/1 1761 nr Madeburgh. † 12/3 1831. "Adelaide" 1788.

Maturin, Chas. Robt, novel & ✆ ✓, * 1782 Dublin, † 1824.

Maty, Matth., misc. ✓, * 1718; Chf Libr. of Brit. Mus, † 76

Maudsley, Hy, ♃ & ☠ ✓, * 5/2 1835 near Giggleswick, Gulstonian Lect. 70, LL.D. Edin, & Consulting ♃ at W. Lond. Hosp; "Physiol. & Pathol. of Mind" 67, "Body & Will" 83, "Natl. Causes & Supernatl. Seemgs." 86, &c.

Maunder, Saml., ✓, * 1790, † 1849. "Treasury of Useful Knowl." & "Biograph. Treasury."

Maundrell, Hy., Eng. ✓ on Palest., * 1650; chaplain at Aleppo, † 1710.

Maundy-Thursday, the day before Good Friday, when Eng Sovereigns used to wash feet of as many poor men & women as they were years old, & give them food & clothes: so cld. fr anthem sung, beginng.w *Mandatum novum* (Lat) = a new Commandmt. (John xiii. 34) Maundy-money still distributed by Queen's Almoner.

Maupertuis, Pierre L., French math., * 17/7 1698; Presdt. of Acad. of Sciences Berlin, † 27/7 1759

Maurepas, J. F. P., Fr. offcl, * 1701, † 81.

Maurice, Fredc. Denison, Brd Ch. † & ☠, * 29/8 1806 Normanstone, Suff; brt. up Unit., baptzd. into Ch. of Eng. 31, ordained priest 35, prof. of Eng. ✓ Camb 40, Boyle Lect & prof. of † King's Coll. Lond. 45, expelled fr. latter on account of views in "† Essays" (publd. 53), fnded. Working Men's Coll. in Gt. Ormond St. 54, Incumbt. of St. Peter's, Vere St., 60, took pt. with Kingsley in Christ. Socialism Movement, † 1/4 72. "Kingdom of Christ" 42, "Moral & Phys. ☠" 53–62, "Kingdom of Heaven" 64, "Conscience" 68, "Social Morality" 69, &c. 2] Thos., † & ♛, * 1754, † 1824

Maurice, 1] Elect. of Saxony, * 1521; took pt. in Refrmatn. Wars, 1st on Prot. side, then joined Chas. V, aftwds obtnd favrble. terms for Prots., † 1553. 2] of Nassau, Pr. of Orange, * 1567, Capt.-Genl & Stadtholder of Holl. & Zeald. 87, brillt. victories over Spanish, whom he drove out of Low Countries, † 1625; a great soldier, but cruel.

Mauritius, or Isle of France, 1 of Mascarene Islds (*q v*), 1st colon. by Dutch 1598, & namd. in honr. of their prince, Maurice; 2nd name given by Fr., who occupd it 1715; annexed by Eng. 1810; 676 s.m., 360,000 inh; sugar, rum. Cap. ⊙, St Louis; 67,000 inh. Col. of M. consts. of I. of M. & numb. of other islds, from 300 to 900 m. distant, incldg Rodriguez; a Crown govr., with Exec & Legis. Council.

Mauritius, Tiberius, Roman Emp of East, * 539, put to death by Phocas with 6 sons 602.

Maury, Matt. Fontaine, Amer. hydrographer, of Huguenot fam., * 14/1 1806 Virginia; drew up ⚓ charts & sailg directns., fought in Civil War on side of South, settled in Lond, apptd Imp Comissnr. of Colonisation in Mexico 65, † 1/2 73. "Phys ✆ of the Sea," &c.

Mausoleum, any splendid tomb: fr. the tomb erected to Mausolus, k. of Caria, at Halicarnassus, by Artemisia, his widow.

Mauvais ton, Fr. = bad taste.

Mauvaise honte, Fr. = silly shame; bashfulness.

Mauve, *v.* Aniline.

Maxcey, Jonath, † & schol., * 1768 Attleboro', Mass.; presdt. of

Brown Univ., of Union Coll., & of Columb. Coll., † 1820.

Maxentius, M. Aurel. Valer., Emp. of Rome 306–12; deftd. by Constantine & drowned in flight; debauched, avaricious, & cruel.

Maximianus, 1] Marc. Aurel., Emp. of Rome, * a peasant; odious tyrant, murd. in his sleep 310. 2] *v.* Galerius.

Maximilian, 1] I. of Germ., s. of Fredk. III. & Eleanor of Portug., * 22/3 1459; m. Mary of Burg. 77, & obtained Netherlands & Franche-Comté as her dower; k. of Rome 86, Germ. Emp. 93, presided at Diet of Worms 96, † 12/1 1519. 2] I. of Bavaria, * 27/5 1756, † 13/10 1825. 3] II. of Bav., * 28/11 1811, † 10/3 64 Münich. 4] of Mexico, * 6/7 1852 Vienna, bro. of Franç. Jos. (Emp. of Austr.); Viceroy of Lombardy & Venice 57–9, m. Princess Charlotte of Belg. 57, accept. Crown of Mexico from Napol. III. 64, shot 19/6 67.

Maxwell, 1] Jas. Clerk, physicist & ♗, * 13/6 1831 Kirkcudbright, † 5/11 79; ⁄ works on electr., magn., heat, matter & motion, &c. 2] Wm. Stirling, art ♛, * 1818 Keir, Perthsh.; succ. uncle as bart. (Maxwell) 65, Chanc. of Glasgow Univ. 75, † 15/1 78 Venice; ⁄ works on Span. art, &c. 3] Wm. H., novel & misc. ⁄, * 1795, † 1851. "Victories of Duke of Wellington."

May, 5th month, 31 days; said to be derived from Maia (mother of Mercury), to whom sacrifices were offrd. by Roms. on 1st of this mnth.

May Meetings, the annual gatherings, in April & May, in London, of the relig. & philan. societies.

May-fly, *v.* Ephemera.

May, 1] Thos. Erskine, Baron Farnboro', Parly. offcl. & ♛, * 1815; Assist. Clerk of Ho. of Comns. 56, Clerk 71, C.B. 60, K.C.B. 66, † 17/5 86, few days aft. elevtn. to peerage. ⁄ works on Parly. procedure, "Constit. ♛ of Eng. since Accession of Geo. III." 61–8, "Democ. in Eur." 77. 2] Thos., ♛, * 1594; apptd. secty. & historiog. of Parlt., † 1650, ⁄ "♛ of the Parlt. from 40 to 43."

Mayence, *v.* Mainz.

Mayenne, a N.W. dept. of Fr., pt. of old provs. of Maine & Anjou; 1,996 s.m., 355,000 inh.: named fr. ♗ M. Chief ⊙, M.

Mayer, 1] J. R. v., Germ. physicist, * 1814 Heilbronn, † 78. 2] C., Germ. ♥, * 21/8 1799 Augsburg, † 2/7 1862 Dresden. 3] Brantz, Amer. ♛, ♗, & polit., * 1809 Baltimore; settled in N. Zealand, † there 23.

Mayflower, *v.* Pilgrim Fathers.

May Laws, Pruss. legislation, 1873–4, asserting the authority of the State in eccles. affairs. *v.* Falk, Adalbert.

Mayhew, 1] Hy., Eng. misc. ⁄, * 1812, † 76. 2] Jonathan, Amer. ✝ & polit., * 1720, † 66.

Maynard, Sir Jno., Eng. ♗ & polit., * 1602 Tavistock; one of managers of impchmnt. of Strafford & prosecutn. of Laud, 1st Comsr. of Great Seal 89, † 90.

Mayne, 1] Sir Richd., ♗ & police comsr., * 1796 Dublin; Comsr. of Metrop. Police 1829–68, † 26/12 68. 2] Jasper, ✝, poet. & ☉ ⁄, canon of Christ Ch., * 1604, † 72. 3] John, poet, * 1759, † 1836.

Maynooth, ⊙ in co. Kildare, Irld.; 2,000 inh.; Rom. Cath. ✝ College, founded 1795.

Mayo, ⚓ co. of Irld., Connaught prov.; pasturage, fisheries; 2,131 s.m., 245,000 inh.; rets. 4 M.P.s: N., W., E., & S. divs.

Mayo, Richd. Southwell Bourke, earl of, statesm., * 21/2 1822; Conserv. Irish Chf. Sec. 52, 58–9, 66–8, Viceroy of India 68–72; assassd. at Fort Blair, Andaman Islds., 8/2 72, by Punjab convict in revenge upon Brit. Govt.; a wise & popular ruler.

Mayor, Jno. Edwd. Bickersteth, class. schol. & ✝, * 25/1 1825 Ceylon; librn. of Camb. Univ. 63–7, prof. of Lat. 72. Edit. of Juvenal, Cicero, Homer, &c.

Mayor, title of chf. magist. of city or municipality; elected yrly. from aldermen or councillors, or persons

qualified to be such; M.s of Lond, York, & Dublin are Ld. M s, Ld. M. of Lond chosen from aldermen, usually but not necessarily the senr. A. Chf. magist of a Scotch burgh called Provost

Mayor of the Palace, Fr ♔, 1st offr. of royal household, aftwds (und. Merov. k s) 1st offr of State In 752 Pepin the Short, then M. of the P., deposed Childeric IV. & founded Carloving. dynasty

Mazarin, 1] Jules (Giulio Mazarini), R. Cath. cardnl & minister to Louis XIV. of Fr, * 14/7 1602 Rome, † 9/3 61 Vincennes; able, unscrup; is said to have left fortune of £8,000,000 strlg ✓ of "Letters" 2] Hortense, duchess of, * 1646; pensioned by Louis XIV, came to London, was pensioned by Chas. II. & Wm III, † 99

Mazeppa, Jan, Polish noble, * ca. 1645; for intrigue with Theresia, w of a Polish count, was lashed by her husbd to back of a horse, & so carried to the Ukraine, where he became a Cossack chief, † 1709.

Mazzini, Giuseppe, Ital patriot, * 12/1 1808 Genoa; fndr of "Young Italy" national movement, took ref in Eng. 37, letters opnd by Graham (Home Sec) 44, elected Dictator of Rom Repub. 48, driven to Eng again 49, † 11/3 72 Pisa; pub funeral by Ital. Govt.; able & high-minded

Mazurka, ♪, lively Polish dance, ¾ or ⅜ time; like a waltz, but with accent on 2nd note of bar.

Mead, 1] Richd, ♁ to Geo. II, * 1673, † 1754. 2] Gordon, Amer. genl., * 30/12 1815; Federal comdr.-in-chf 63, superseded by Grant 64, † 6/11 72.

Meadow Grass, ✿, gen *poa*, sevrl. specs. nat to Brit.

Meadow Saffron, ✿, plant of gen. *colchicum*; contns. colchicine, ♁ gout & rheumatism.

Meagher, Thos. F., Irish polit. & orator, * 3/8 1823; incited the Ballingarry risg. & was transprtd 48, escaped 52, fought in Amer Civil War on Fed. side, drowned 1/7 67.

Meal-tub Plot, Eng. ♔, a plot falsely alleged to have bn. formed agnst. the successn. of dk. of York 1679, the forged documents being found in a M tub. The informer, Dangerfield, confess. & was punshd.

Meal-worm, entom, larva of a beetle, *tenebrio molitor*.

Measles, ♁, infect disease, most often attackg children; aft. ca. 8 days rash appears, w. catarrh, &c.

Measure, math, a quantity contained in another a cert numb. of times without leavg. a remaindr.; *e g*, 2 is a M. of 4.

Meath, ⚓ Irish co, Leinster prov, N W. of Dublin co.; ✓; 905 s m., 87,000 inh; rets. 2 M P.s (N. & S divsns). Cap. ⊙, Trim.

Mecca, Turk. ⊙ of Arabia, cap. of Hedjaz prov.; birthplace of Mohammed; 60 m fr. Red Sea; *ca.* 45,000 inh, place of pilgrimage. *v.* Kaaba

Méchain, P F A, Fr. ✱ & hydrographer, * 1744, † 1805.

Mechanics, science of laws of equilib & motion of solid bodies. Divd into Statics, treatg. of bodies at rest, & Dynamics, of bodies in motion.

Mechi, John Joseph, s. of Ital. immigrant, scientif ✓, * 22/5 1802; made experimts. at Tiptree Farm, † 26/12 80.

Mechlin, or Malines, ⊙ of Belg, Antwerp prov., 43,000 inh.; rlwy. centre; lace; archbpric., cathed. of 12th cent.

Mecklenburg-Schwerin, grd. duchy of Germ Emp., united to N. Germ Confed. 1866, on Baltic coast; 4,834 s m, 580,000 inh; Diet (of landowners) forms joint assembly w. duchy of M.-Strelitz (*q.v*). Cap ⊙, Schwerin.

Mecklenburg-Strelitz, grand duchy of Germ. Emp, united to N. Germ. Confed. 1866; 1,130 s.m, 105,000 inh.; more than half the land belongs to Grd. Dk.; 2 provs, Stargard & Ratzeburg. Cap. ⊙, Neu-Strelitz.

Meconic Acid, *v.* Opium.

Mede, Joseph, Eng. †, * 1586, † 1638. / "Clavis Apocalyptica," &c.

Medea, d. of k. of Colchis, who married Jason & helped him to get the golden fleece; killed her 2 child. to revenge Jason's infidelity.

Medhurst, W. H., Eng. missy. to China, * 1796, † 1857. / works on Chinese language.

Medici, The, famous Florentine fam. wh. 1st rose to eminence in Giovanni (* 1360, † 1428, leavg. grt. wealth accum. in banking). Most illustrious memb. was Lorenzo the Magnificent, statesm. & /, * 1448, † 8/4 92. Includes also Cosmo (* 11/6 1515, † 21/4 74), Catherine (*q. v.*), & Maria, * 26/4 78, m. Henri IV. of Fr. 1600, † 3/7 42 Cologne.

Medicine, science & art of preventing & curing diseases.

Medick, ♃, the gen. *medicago*, of pea-flower tribe; 6 specs. nat. to Brit., some cultivated as fodder.

Medina, Sir John B., Belg. port. ● of Span. descent in London, * 1659, † 1711.

Medina, 2nd ⊙ of Hedjaz, Turk. prov., Arabia; 15,000 inh.; seat of Mohammed's Emp., place to wh. he fled from Mecca (*v.* Hegira), & his burial-place.

Mediterranean Sea, the sea betw. Europe & Afr.; 2,300 m. long, greatest breadth 1,100 m., or *ca.* 1,000,000 s.m.; scarcely any tides; connected w. Atlantic by Straits of Gibraltar, w. Black Sea by Dardanelles & S. of Marmora. Known to the Roms. as Mare Internum.

Medlar, ♃, genus *mespilus*. Comm. M., a large shrub w. white flowers; fruit edible & astringent.

Medusa, Grk. myth., chf. of the Gorgons, whose hair turned to serpents, & whose head (placed on Minerva's shield) changed all who looked at it into stone.

Medusæ, zool., jelly-fishes or sea-nettles, sub-class of *hydrozoa*.

Medwin, Thos., misc. /; "Conversations of Lord Byron" 1824.

Meel, Jan, Flem. ●, * 1599, † 1664.

Meer Jaffier, Soobadar of Bengal, deposed by Eng. 1760, but reinstated, † 1765.

Meerschaum (German = sea-foam), ♁, soft, por., compact stone, white when pure; opaque; composition: silica 60·8, magnesia 27·1, water 12·1; Asia Minor, Greece, Moravia, Spain, &c.; used chfly. for pipes, but in Spain as a building-stone, in Algeria as soap.

Meerut, divsn. of Brit. Ind., N.W. Provs., comprisg. distrs. of M., Dehra Dun, Saharanpur, Muzaffarnagar, Bulandshahr, Aligarh; 11,131 s.m., 5,000,000 inh. Cap. ⊙, M.; ✕; 82,000 inh. Distr. of M. 2,360 s.m., 1,300,000 inh.

Meerveldt, Max., Cnt. v., Aust. genl. & diplom., * 1766, † 1814.

Megalichthys, ichth., extinct gen. of *ganoidei*; found in Devonian & carboniferous formations.

Megalosaurus, huge extinct reptile of terrest., carniv. gen. *dinosauria*, found in Oolitic slate & Weald clay; 30 to 40 feet long.

Megasthenes, Grk. ♛ & ☽ of 3rd cent. B.C. / work on India.

Megatherium, zool., gen. of extinct toothless mammals, *ca.* 18 ft. long; Tertiary deposits of S. Amer.

Megrims, ♂, sick headache.

Mehemet, 1] 14 Moorish kings of Granada from 13th to 15th cents. 2] Ali Pasha (*né* Detroit), Turk. ✕, * 1827 Brandenburg; became a Mohamm. & entered Turk. army, served in Crim. War, comdr.-in-chief in Russ.-Turk. War, one of Turk. plenipotens. at Berlin Congress 78, assassd. Albania 7/9 78.

Méhul, Et. H., Belg. ♛ who settled at Paris, * 22/6 1763, † 18/10 1817 Paris. Comp. oratorio *Joseph*.

Meicho, Jap. ●, * 1352, † 1427.

Meilhac, H., *v.* Halévy.

Meissonier, J. L. E., Fr. genre ● in the small, * 12/2 1815 Lyons; Leg. of Honour 55, member of Fr. Institute 63.

Melancthon, Phil., Germ. Reform. †, colleague of Luther, * 16/2 1495 Bretten; prof. of Greek at

Wittenberg, drew up Augsburg Confession, † 19/4 1560 Witt; prolific ✓, learned, gentle, moderate. Né Schwarzerde, Grecised into M.

Melanesia, *v.* Polynesia

Melbourne, Wm. Lamb, Visct., Whig statesm., 2nd s of 1st Visct., * 15/3 1779; Irish Sec 1826, suc. to peerage 28, Home Sec. 30, Prem. 34, 35–41, † 24/11 48. Memoir by McCullagh Torrens.

Melbourne, cap ⊙ of Victoria, on banks of ⅄ Yarra-Yarra, 8 m. fr. its estuary; founded 1837, named aft. the Brit. Prem.; wide streets, parks & gardens; Houses of Parlt. 1855, cost £400,000; univ. same yr.; Angl. bpric. 74, R. Cath archbpric; exports wool, gold, tallow, hides, presvd. meat, &c; 365,000 inh.

Meleager, Grk. myth., an Argonaut, & leader of the heroes who slew the Calydonian boar.

Melendez, V., Span. poet, fndr. of Salamancan School, * 11/3 1754 Ribera, † 24/5 1817 Montpellier.

Meli, G., Sicil. vernac. poet, * 1740 Palermo, † 1815.

Meliaceæ, ✱, ord. of trees or shrubs, chfly. trop.; altern. leaves, hermaph. flwrs, 3, 4, or 5 sepals, 4 or 5 petals (united at base, or tubular), twice as many stamens, filaments united to form a tube, 1 style, stigmas distct. or combnd., berried fruit; 33 genera, 150 species.

Melikoff, Cnt. Loris, Russian general & statesm., * 1/1 1824 Armenia; govr. of Circassia 60, 2nd in comd. in Russo-Turkish War 77, govr. of Astrakhan 78, Russ. Min. of Interior 80, resigned 81 after Czar's assass.

Melilot, ✱, genus *melilotus;* warm & temp. regions of O. World. Comm. yellow M. & white M. grow in Brit.

Mellite, *v.* Honeystone.

Mellor, Sir John, ⚖, * 1/1 1809 nr. Oldham; Chf. Just. Q.'s Bench 61–79, Privy Councilr. 79, † 26/4 87; one of the Tichborne judges.

Melmoth, Wm., Eng. ✍ & misc. ✓, * 1710, † 99.

Melody, ♪, pleasing succession of single tones; tune, air.

Melon, ✱, plnt. of gen *cucumis;* introd. into Eng. *ca.* mid. of 16th century. Water M. belongs to gen. *citrullus.*

Melos, *v.* Milo.

Melpomene, Grk. myth., Muse of tragedy.

Melrose, ⊙ of Roxburgh, Scot., on banks of ⅄ Tweed; 1,500 inh.; abbey fnded 1136

Melting-Point, the temp. at wh. any substance becomes fluid.

Melville, 1] And., Scot. refrmr., * 1545; fled to Eng, imprsnd. for assailg. Eng. Ch, prof. at Sedan, † 1622. 2] Sir Jas., adherent of Mary Stuart, * 1535, † 1617. ✓ "Memoirs of Affairs of State." 3] Herman, Amer. nov. ✓, * 1819

4] Jas., Scot. †, * 1556, † 1614. 5] Hy., † & pop. preacher, * 1798; Prncpl. of Haileybury Coll., canon of St. Paul's, † 9/2 1871. 6] G. J., Whyte-M., *v.* Whyte-Melville. 7] Visct., *v.* Dundas, Henry.

Melville Island, 1] uninhab. isld. in Arctic O., 1 of N. Georgian group, discvd. by Parry 1819. 2] Isld. off N. coast of Austral., *ca.* 1,800 s.m.

Memel, ⚓ ⊙ of Pruss., on Baltic; 20,000 inh.

Memling, *v* Hemling.

Memmi, Simone, ● of Petrarch's "Laura," * 1284 Sienna, † 1344.

Memnon, Grk. myth., Trojan hero, s. of Aurora & Tithonus, & k. of Æthiopia, slain by Achilles. The so-cld. statue of M., on Plain of Thebes, is really a stat. of Amenophis III., k. of Egypt 14th cent. B.C.; 1 of 7 wonders of world, bec. believed to sound when struck by rays of rising sun.

Memphis, anct. ⊙ of Egypt, on left bank of ⅄ Nile, 10 m. above Pyramids.

Mena, Pedro de, Span. ✍, † 1693.

Menada, Netherlands settlemt., on N of Celebes, under govt. of Moluccas; 26,600 s.m., 218,000 inh.; coffee, rice. Chf. ⊙, M.

Menai Strait, separates Anglesea fr. Carnarvon; 14 m. long, 250 yds. to 2 m. broad. M. Suspension Bridge completed by Telford 1826, tubular bridge by Stephenson 50.

Menander, Grk. ☉ ✓, poet, * 346 B.C., drowned 291.

Mendana de Neyra, A., navig., * 1541; discovd. New Georgia & Santa Cruz, † 95 Santa Cruz.

Mendelssohn, Moses, Jew. ♗ & †, * 7/9 1729 Dessau, † 4/1 86 Berlin.

Mendelssohn-Bartholdy, Felix, ♅, grd.-son of Moses M. (*q.v.*), * 3/2 1809 Hamburg; ♅ Direct. at Düsseldorf 33, at Leipzig 35, Berl. 43; many visits to Eng., † 4/11 47. Comp. of oratorios (*St. Paul* & *Elijah*), "Lieder ohne Worte," operas, overtures, symphonies, concertos.

Mendoza, 1] D. H. de, Span. statesm. & ♆, ⚔, * 1503 Granada, † 75. 2] A. H. de, Span. ☉ & poet. ✓, * 1590, † 1644. 3] I. L. de, marq. of Santillana, Span. ⚔ & poet, * 1398, † 1458; fndr. of Ital. school of Span. poetry.

Menelaus, Grk. myth., k. of Lacedæmon, & husband of Helen, whose abductn. by Paris led to Trojan War, at end of wh. he returned with H. to Sparta.

Menes, traditnl. 1st k. of Egypt, fnder. of ⊙ of Memphis; date *ca.* 2700 B.C.

Meng-Tsen, Chin. ♗ of 4th cent. B.C.; grd.-son of Confucius, & ranked next to him.

Meningitis, ✗, inflam. of membranes covering the brain.

Mennis, Sir John, ⚓ & poet, * 1591; govr. of Dover Castle at Restoration, exiled on † of Chas. II., † 1671.

Menno, Simon, Frisian †, * *ca.* 1500 Witmarsum; became ldr. of Mennonites (named after him, though he was not their fnder.), † 61 Oldesloe, Holstein.

Mennonites, †, sectaries who refuse to bear arms or fill any civil office; in U.S.A. & Can. *ca.* 200,000; colonies also in S. Russ., &c.

Menon, or Menu, Ind. legislator, said to be son of Brahma, *ca.* 12th cent. B.C.

Menschikoff, 1] Prince A. S., Russ. genl., * 1787; com.-in-chf. in Crim. War, deftd. at ⚔ Alma 54, re-called 55, † 2/5 69. 2] Prince A. D., grt.-grandfath. of 1, Russ. genl., * 28/11 1670; maj.-genl., exiled, † 2/11 1729.

Mensuration, determination of lengths, areas, & volumes by applying arith., algeb., trigonom., &c., to geometry.

Mental Science, philos. of the mind: divid. into (1) psychology, dealing w. the mind itself; & (2) metaphysics, or mental processes & laws. Transcendental theory is that mind is distinct from, & can exist independently of, matter; the Materialistic, that it is only a manifestation of matter.

Mentone, Fr. ⊙, Alpes Maritimes dept., 2 m. fr. Ital. frontr., on shore of Medit.; bought fr. Monaco 1860; 10,000 inh.

Mentor, Grk. myth., instructor of Telemachus; hence, an influential adviser or teacher.

Mentzer, *v.* Fischart.

Menu, Ind. myth., *v.* Menon.

Menzel, W., Germ. crit., * 21/6 1789 Siberia, † 23/4 1873.

Menzikoff, *v.* Menschikoff.

Menzini, B., Ital. ✓, * 1646 Florence, † 1704 Rome.

Mephistopheles, a legendary fiend, introd. into Marlowe's *Dr. Faustus* & Goethe's *Faust.*

Mercadante, Saverio, Ital. ♅, * 4/12 1796 Altamura, † 13/12 1870. Operas, &c.

Mercator, Gerard (*né* Kauffmann, Latinised into M.), Flemish ♋, * 5/3 1512 Rupelmonde; inv. M.'s Projection, in wh. parallels & merids. are represented by straight instead of curved lines, † 2/12 94.

Mercedes, Maria de las, Press. of Asturias, dau. of Alphonso XII., hress. presumpt. of Sp., * 12/9 1880.

Mercia, a kingdom of the Heptarchy, between ♗s Thames & Humber.

Mercury, 1] Rom. myth., god of commerce & gain, & herald of the gods; son of Jupiter & Maia. 2] ☿, planet nearest sun, 35,500,000 m. dstnt.; day 24 h. 5 m., year 88 days; seldom visible to naked eye; last transit 7/11 1881, next 9/5 91. 3] ☿, quicksilver, liq. metal extract. fr. cinnabar, a crystall. ⊕ found in Cent. Eur., China, Japan, Mex., & S. Amer.; used for barometers & thermoms., & for silvering glass mirrors; the heaviest liq. known; the only metal liquid at ordinary temperatures. *v.* Calomel.

Merddin, Welsh bard, *ca.* 6th cent.

Meredith, 1] Geo., poet. & nov. ✓, * 1828 Hants. "Poems & Lyrics" 83, "Diana of the Crossways" 85, &c. 2] Owen, pseud. of 2nd Lord Lytton (*q.v.*).

Meres, Francis, Eng. misc. ✓, * 1646.

Merian, 1] M., Swiss engrvr. & topog. ✓ at Frankft.-on-M., * 1593, † 19/6 1650. 2] His dau., M. S., ⊕ & ✓ on insects, * 1647, † 1717. 3] M., s. of 1, port. ⊕, * 1621, † 87.

Meridian, ☀, circle drawn thro' zenith & N. pole of the heavens. ○, circle drawn on earth's surface, passg. thro' the poles & intersectg. equator.

Merimée, Prosper, Fr. misc. ✓, * 28/9 1803 Paris; Acad. 44, † 23 9 70 Cannes. "Lettres à une Inconnue" 73, &c.

Merino, Span. breed of the domestic sheep, bred for its wool, esp. in Australia.

Merioneth, Welsh county, on Cardigan Bay; 602 s.m., 55,000 inh.; copper, lead, slate; returns 1 M.P. Cap. ⊙, Dolgelly.

Merivale, 1] Chas., Rom. ♛ & †, * 1808; Hulsean Lect. 61, Boyle 64 & 65, chap. to Speaker 63, dean of Ely 69. *Carmen Latinum* 28, "♛ of the Roms. under Empire" 50–62, "Genl. ♛ of R." 75, &c. 2] Jno. Herman, bro. of 1, administr. & misc. ✓, * 1806; prof. polit. econ. Oxford 37, Perm. Und. Sec. for Cols., for Ind. 60, † 8/2 74. "♛ Studies" 68, &c.

Merle d'Aubigné, *v.* D'Aubigné.

Merlin, Brit. myth., an enchanter of supernatural origin.

Merlin, ornith., small British falcon, *falco æsalon;* the "ladies' hawk."

Merlin de Douay, Ph. A., Comte, Fr. revol. statesm. & ✓, * 1754, † 1838.

Mermaid, fabulous being with upper part like a woman, lower like a fish. *v.* Manatee.

Merope, class. myth., 1 of the Pleiades, dimmer than her sisters because she married a mortal.

Merovingian, 1st dyn. of Fr. k.s, fnded. 5th cent. by Merovius, succ. 752 by the Carlovingian.

Merrick, Jas., Eng. † & poet, * 1720, † 69.

Merry-Andrew, a buffoon: perhaps derived fr. And. Boorde, ✝ & fool to Hy. VIII.

Merthyr-Tydfil, ⊙ of Glamorganshire, on ⚓ Taff; a centre of coal & iron trade; 50,000 inh. Parly. bor., 91,847 inh., rets. 2 M.P.s.

Merton, 1] Walter de, Eng. statesm. & †, * Merton; Chanc. 1261–3, bp. Rochester 74, fndr. of M. Coll. Oxf., † 77.

Meru, Hind. myth., ▲ in centre of world, 80,000 leagues high, abode of Vishnu.

Merv, oasis in Central Asia in Russ. occupatn., 200 m. fr. Herat; 1,600 s.m., *ca.* 250,000 inh., Turcomans. Trans-Casp. Ry. completed to M. 1886.

Méryon, Chas., Fr. etcher, * 1821, † insane 68.

Mesenteric Glands, *v.* Lymphatic System.

Mesentery, *v.* Peritoneum.

Meshid, Pers. ⊙, cap. of Khorasan prov.; 70,000 inh.; pilgrimgs. to Haroun-al-Raschid's tomb.

Mesmer, Fried. Anton., fndr. of mesmerism (*q.v.*), * 23/5 1733 Meersburg; ✝ in Vienna, afterw. in Paris; came to Eng. on his syst. being declared an imposture by a

Fr. Govt. Commission, † 5/8 1815 Meersburg.

Mesmerism, doctrine that a mysterious force is prsnt. in some persons wh. they can transmit to others, so curing disease, &c. Methods & opns. of Hypnotism (*q.v.*).

Mesne, ⚖, middle or interveng.; *e.g.*, a M. lord holds land und. one person & grants pt. of it to another.

Mesopotamia, distr. of Asia, betw. ♁s Euphrates & Tigris.

Mess, a number of persons, specially of officers, who fare in common.

Messalina, Valeria, wife of Emp. Claudius, notorious for profligacy & cruelty, murdered 48.

Messiah, † ("The Anointed One"), foretold in the O. Test., & identified by Christians w. Jesus. Jews believe the M. is yet to come.

Messina, Ital. ⚓ ⊙ Sicily, on Strait of M., separating Sic. fr. Italy; 130,000 inh.; archbpric.

Messuage, Eng. ⚖, a dwelling-house w. outbldngs. & adjoing. land.

Metal, ⚗, elementary substance having certain properties, chief of wh. are metallic lustre & good conducting properties as regards heat & electr. Form salts with acids. *v.* Elements

Metalliferous Veins, *v.* Mineral Veins.

Metallurgy, art & science of extracting metals fr. ores & adapting them for use.

Metamorphic Rocks, ⚒, rocks which (orig. sedimentary deposits) have bn. changed into crystallised rocks by heat, water, pressure, &c.

Metaphor, rhet., a simile without any word implyg. comparison; *e.g.*, "That man is a fox."

Metaphysics, *v.* Mental Science.

Metastasio, P. B. (*né* Trapassi), Ital poet. & ☉ ✓, * 3/1 1698 Rome; poet laureate at Vienna, † there 12/4 1782.

Metcalfe, Chas. T., Lord, Eng. administr., * 1785; govr. Jamaica 1839–42, Govr.-Genl. Canada 43–5, peer 45, † 46.

Metempsychosis, ☯, the passg. of a soul at death into some other being; taught by Pythagoras & still prevalent in India, &c.

Meteor, ☄, cosmic body which, strikg. the earth's atmosph., ignites & goes to dust. Rings of M.s revolve round the sun; thro' these the earth's orbit cuts at various periods, prod. period. showers of shooting stars.

Meteorites, *v.* Aerolites.

Meteorology, science of weather & climate. Weather forecasts are deduced by comparg. observations simultaneously made at difft. pnts over a wide area.

Meter, apparatus for measuring gas & water.

Meteyard, Eliza (*alias* "Silverpen"), Eng. misc. ✓, * 1816, † 4/4 79.

Methane, *v.* Marsh-Gas.

Methodists, †, the soc. fnded. by John Wesley, & its offshoots; name 1st applied to him & his associates at Oxford in derision bec. of their method. performance of relig. duties. Total number in Eng.-spkg. world 16,000,000. In United Kingdom chf. branches are: Wesleyans *ca.* 500,000, Meth. New Connectn. 30,000, Primitive M.s 192,000, Bible Christians 24,000, United M. Free Churches 67,000.

Methylated Spirit, ⚗, mixt. of strong alcohol with 10 per cent. of impure wood spirit, of wh. methyl alcohol is the chief constituent.

Metius, Jacob, Dutch scient. & ⊕, invntr. of refractg. telescope, * 1575.

Meton, invntr. of metonic cycle (*q.v.*), Grk. ☄ of 5th cent. B.C.

Metonymy, rhet., substitution of 1 word for anoth.; *e.g.*, "Crown" for "monarch."

Metre, Fr. unit of length = $39\frac{37}{100}$ inches.

Metre, *v.* Prosody.

Metric System, syst. of weights & measures, of wh. startg.-point is the metre (*q.v.*), calcultd. to be the 10-millionth pt. of distance betw. pole & equator, the distance really

being 10,000,086 times length of M Litre (q v) & gramme (q v) are both derived from the metre, one being the cubic decimetre, the other the wt at Paris of a cubic centimetre of pure water at 4° C Adopted by Fr aft Revoln of 1789, & since by other Continental nations & U S A Called also Decimal S (v Decimal)

Metropolitan, v Archbishop

Metternich, C W N L, Prince von, Austr statesm, * 15/5 1773 Coblentz, amb at Dresden 1801, Berlin 08, Paris 06, For Min & Chanc 09, Prince of Emp 13, at Congrs of Vienna 15, resgnd & fled 48 (his anti Lib policy havg made him odious), returned to Vienna 51, † 5/6 59

Metz, Germ ⚜ ⊙, Alsace-Lorraine, on ⚓ Moselle, 55 000 inh, cathed 1014–1546 Belonged to Germ till 1648, then French, surrend by Bazaine in Franco Germ War 27/10 1870 after siege

Metzu, Gabriel, Dutch ⚉, * 1615, † 59

Meum et tuum, Lat = Mine & thine

Meursius, J, Dutch phil & ♛, * 1579, † 1639

Meurthe-et-Moselle, N E department of Fr, 2,025 s m, 420,000 inh, ⚓s, M & M Cap ⊙, Nancy

Meuse, N E department of Fr, 2,405 s m, 290,000 inh Cap ⊙, Bar le Duc ⚓ M rises in plateau of Langres, falls into N Sea, 550 m

Meutel (or Meutelin), Jno, 1st printer at Strasbourg, * 1410, † 78

Mexico, repub in S part of N Amer, S of U S, betw Gulf of M & N Pacif O, fertile soil, fruits, grains, vegets, ✿ plants, timber, pasture, cattle, sheep, horses, silver, & other ⊕s, chf ▲s, Popo catapetl & Citlatefetl, 751,000 s m, 10,500 000 inh, ca half pure Inds, whites ca 500 000 Cap ⊙, M, ca 250,000 inh Army 21,000, rev £6 125,000, expend £5 400,000 ♛ conqd by Spain 1521, strug for indep began 1810, repub estabd 24, attacked by Eng, Spain, & Fr 62, Archdk Maximilian of Austr made Emp by Fr 64, Fr troops withdrn 67, Max shot 19/6 67, govt sim to that of U S, 27 States, plus Lower California G of M, partially shut in fr Atlantic by penins of Florida & Yucatan, ca 800,000 s m

Mexico, New, v New Mexico

Meyerbeer, Giacomo (ne Liebmann Beer) ♪, * 5/9 1794 Berlin, † 2/5 1864 Paris, operas *Robert le Diable* 31, *Les Huguenots* 36, *Le Prophète* 49, &c

Meyrick, Sir S R, Brit Ψ, * 1783, † 1848

Mezeray, F. E de, Fr ♛, * 1610, † 83

Mezzofanti, G G, Ital linguist & †, * 1774 Bologna, libr of Vatican, card 1838, † 49

Mezzo-relievo, Ital = half-relief ⚇

Mezzotint = half tint, engrav on copper by rockers, scrapers, & burnishers, instead of gravers

Miall, Edwd, Nonconf polit & ✓ * 1809, fnded *Nonconformist* 41, Liberation Soc 44, M P for Rochdale 52–67, Bradford 69–74, prsntd. w 10,000 gs on retiremt, † 29/4 81.

Miaoulis, A, Grk adml in War of Indep, * 1772, † 1835 Athens.

Mica, a ◆ that splits into thin transparent plates, or *laminæ*

Mica Schist, ⚒, a slaty metamorphic rock, composed of mica & quartz

Micah, Hebr prophet ✓, ca. 740 B C

Micca, P, Ital ⚔, * 1666 Piedmont killed at siege of Turin in blowing up a mine 1706, statue by Ital Parlt

Michael, v Seven Spirits

Michael, 8 Rom Emps of East; M VIII, of Palæologi fam, succ. 1260, & recovd Constantinople fr Latins

Michael Angelo Buonarrotti, Ital ⚉, ⚇, ⚃, ⚄, & poet, * 6/3 1474 Chiusi, Tusc, designed St. Peter's at Rome, painted "Last Judgmt, ceilg of Sistine Chapel, &c, sculpt. Pope Julius II, Moses,

&c.; fought in def. of Florence, + 17/2 1563 Rome.

Michaelis, 1] J. D., German ✝ & orientalist, * 27/2 1717 Halle; prof. at Göttingen, † 22/10 91. 2] J. H., ✝, * 1668 Klettenberg; editor of Hebrew Bible, † 1738.

Michaelmas Daisy, *v.* Aster.

Michaelmas Day, an English quarter-day (29/9); Feast of St. Michael & all Angels.

Michaud, J., Fr. journ. & ♛, * 1767, † 1839. ✓ "Hist. des Croisades" 98, &c.

Michaux, A., Fr. ☙, * 1746, † 1802.

Michel, Louise, Fr. socialist & poet. ✓, * 1830 Croncourt; sentcd. transp. for life as Communist 16/12 71, amnestied 80, again imprisnd. 83–5, 86, her life attempted 21/1 88.

Michelangelo, *v.* Michael Angelo.

Michelet, 1] J., Fr. ♛, * 21/8 1798 Paris; assailt. of Jesuits, † 9/2 1874. 2] Karl L., Germ. ☙ of Fr. descent, * 1810. ✓ "System of ☙" 76–81, &c.

Michelozzi, M., Ital. ♙ & ♘, * 1402 Florence, † 70.

Michigan, a N.W. State of U.S.A.; entered Union 1837; ✓, woollen & cotton mnfs.; 56,500 s.m., 1,700,000 inh. Cap. ⊙, Lancing. Lake M., betw. M. & Wisconsin State, 320 m. long, 26,000 s.m.

Mickiewicz, A., Polish poet & patriot, * 23/12 1798 Novogrodek, † 26/11 1855 Constantinople.

Mickle, Wm. J., Scot. poet, * 1734, † 88. ✓ "Cumnor Hall," &c.

Microcosm, a little world: in this sense used of man.

Micrometer, instrumt. used w. telescope or microsc. to determine small distances.

Micronesia, *v.* Polynesia.

Microphone, instrumt. invtd. by Prof. Hughes 1878 to intensify low sounds; used with telephone.

Microscope, optical magnifyg. instrmt. invented at end of 16th cent. (?) A simple M. is a double convex lens, or combination of lenses; a compound M. is in 2 pts.: (1) object-glass, comb. of lenses magnifying the object; & (2) eye-piece, comb. of lenses magnifying image formed by (1). Monocular M. has 1 tube, binoc. 2.

Midas, Grk. mythol., king of Phrygia, at whose touch everythg. turned to gold, & whose ears were changed by Apollo into ass's.

Middiman, Saml., Eng. engrvr., 1746, † 1818.

Middle Ages, *v.* Dark Ages.

Middlesbrough, ⊙ of Yorksh.; 55,000 inh.; rets. 1 M.P.

Middlesex, S.E. Eng. county, smallest next to Rutland in size, largest next to Lancs. in pop.; 283 s.m., *ca.* 3,000,000 inh.; county ⊙, Brentford; rets. 7 M.P.s.

Middleton, 1] Conyers, ✝ & class. schol., * 1683 Richmnd. Yks., † 1750 Hildersham. ✓ "Life of Cicero." 2] Thos. F., ✝, * 26/1 1769 Redleston; bp. of Calcutta 1814, † there 8/7 22. 3] Sir Hugh, London goldsmith who formed New River Co., * 1555 Denbigh, † 1631. 4] Thos., ✆ ✓, * 1570, † 1627.

Midges, entom., crane-flies & gnats.

Midhat Pasha, Lib. Turkish statesm., * 1822 Constantinople; Sec. to Grd. Counc. 60, govr. of Bulgaria 64–6, Grd. Vizier 72, 76 promulgated Parly. Constitut. for T., but fell 77, govr. of Syria 78, banishd. to Arab. 81 on charge of complicity in death of Abd-ul-Aziz, † there 84.

Midlothian, *v.* Edinburgh.

Midnapur, distr. of Bardwan, B. Ind.; 5,082 s.m., 2,600,000 inh. Cap. ⊙, M.; 32,000 inh.

Midshipman, jun. offr. in Roy. ⚓, next above a cadet.

Midsummer Day, an Eng. qr.-day (24/6).

Miel, Jan, *v.* Meel.

Mieris, F., Dutch ☙, * 16/4 1635 Leyden, † 12/8 81.

Mieroslawski, L., Pol. patriot, * 1814; dictator 63, † 23/11 78.

Mignet, F. A., Fr. ☙ & polit., * 8/5 1796 Aix; Direct. of For. Office

Archives 1830–48, Acad 36, † 24/3 84 ✓ "Revol Française 24, "Marie Stuart 51, &c

Mignonette, ✿ the gen *reseda*, esp *R odorata*, introd into Eng fr Fr 18th cent

Miguel, D M E, Port prince, younger s of John VI, * 26/10 1802, usurped throne 28, overthrown 34, † 14/11 66

Milan, 2nd largest ⊙ of Italy, in prov of M, betw ⚓s Ticino & Adda, 14th cent cathed, Duomo, of white marble, silks & books, 322 000 inh

Milan of Servia, *v* Servia

Milano, G da, Ital ●, 14th cent

Milbourne, Luke, † & poet ✓, * 1667 † 1720

Mildew, fungi wh attack leaves & stems of hops grapes, &c

Mildmay, Sir W, Eng statesm, * 1522, founder of Emanuel Coll Camb, Q Mary s Chanc of Exchequ, † 89

Mile, meas of length in almost all Europ countries Eng statute M (fixed by law *temp* Eliz)=1 760 yards, Norweg =7 Eng M, Swed =6 64, Aust =4 71, Dan =4 68, Germ long = 5 75, short = 3 89 Eng sq m = 3,097,600 sq yds = 640 acres Eng ⚓ or ⊕ m = $\frac{1}{60}$ deg = *ca* 1 15 stat M, Germ = $\frac{1}{15}$ deg = *ca* 4 6 stat M

Milé (or Mille), F, ●, * 1644 Antwerp † 80

Milhouse, Robt, Eng weaver-poet, † 1839

Militia, a ⚔ force for serv only in Eng, forming 3rd & 4th battalns of the territor regts, period 6 yrs, training, 6 months for a recruit, 1 month a year afterwards, strength *141,000 incldg 23,000 of M* reserve liable for foreign serv First formed 1285, permanently embodied 1792–1803, during threat of Fr invasion

Milk, fluid secreted by female mammals, comp of sugar, albumin & saline matter, & globules of fat, elemts always same, but proportn differs in diffnt species Average cow's M. contains water 86·9, fat 3 5, casein (curd) 4 0, albumen 0 8, sug 4 0, galactin 0 1, inorgan salts 0 7, human M 88 0, 2 9, 2 4, 0 5, 5 9, 0 1, 0 2

Milk-tester, *v* Lactometer

Milkwort, *v* Polygaleæ

Milky Way, or Galaxy, ✳, a long white luminous track, forming almost a circle round the celest sphere, consisting of stars & star-clusters

Mill, 1] Jas, ⚓ & ♛, * 6/4 1773 nr Montrose, entered India Office 1819, head of it 30 † 23/6 36 Kensington ✓ "♛ of Brit Ind 17–18 "Polit Econ 21–22, "Phenom of Human Mind 29, &c 2] His s, John Stuart, ⚓ & polit, * 20/5 1806 London, entrd Ind Office 23 retired 58 M P for Westminster 65–68, † 8/5 73 Avignon "Syst of Logic 43, "Principles of Polit Econ 48, "Liberty 58, "Repres Govt 61, "Utilitarianism 62, "Hamilton s ⚓ 65, Autobiog, &c 3] John, †, * 1645 Westmoreland, edit Grk Test, † 1707

Millais, Jno Everett, Eng ●, * 8/6 1829 Southampton, 1st exhib 46, became a Pre Raphaelite (*q v*), A R A 53, R A 63, bart 85

Millar, Jno, Scot ♛ & jurist, * 1735 Lanarksh, † 1801

Millennium, † period of 1,000 years during which Satan is to be confined to the bottomless pit (Rev. xx 1–3), variously interpreted

Miller, 1] Hugh, ⚒, ⚓ & misc ✓, * 10/10 1802 Cromarty, † by suic 24/12 56 Portobello "Footprints of Creator 50, "Testimony of Rocks 57 2] Joaquin, Amer *poetical & misc* ✓, * *10/11 1841* Indiana, "Songs from the Sierras 71 3] Edwd, ✠ & ✠ ✓, * *1736 Norwich*, † *1807* Camb 4] Geo, † & ♛, * 1764 Dublin, † 1849 ✓ "⚓ of ♛, &c 5] Jas, †, ⊙, & polit ✓, * 1703 Dorsetshire, † 44 6] Philip, gardnr & ✠ ✓, * 1691, † 1771 Chelsea 7] Thos, poet & misc ✓, * 31/8 1808, † 25/10 74 8] Joseph, *v* Joe Miller

Miller's Thumb, *v* Bull head.

Milles, 1] Thos., ✝ & Grk. schol.; bp. of Waterford, † 1740. 2] His neph., Jeremiah, ✝ & Ψ, * 1714; dean of Exeter, † 84.

Millet, Jean Franç., Fr. ● of peasant life, * 4/10 1815 Greville, † 20/1 75 Barbizon.

Millet, ☘, *panicum miliaceum, P. miliare,* & other specs. of small seed-corn; extens. grown in Ind. Germ. M., a specs. of *setaria.*

Milliare, *v.* Are.

Millilitre, Fr. meas. of capac., liq. & dry $=\frac{1}{1000}$ litre (*q.v.*).

Millimetre, Fr. meas. of length $=\frac{1}{1000}$ metre (*q.v.*)$=\frac{1}{25}$ inch.

Millin de Grand-Maison, A. L., Fr. scient. & polit., * 1759 Paris, † 1818.

Mills, Chas., ♛, * 1788 Greenwich, † 1826.

Millstone Grit, *v.* Carboniferous System.

Milman, 1] Hy. Hart, ♛, poet, & ✝, * 1791 Lond.; Fell. of Brasenose 1815, canon of Westminster 35, dean of St. Paul's 49, † 68. ✓ "— of the Jews" 29–30, "♛ of Christianity und. the Empire" 40, "♛ of Lat. Christianity" 54–55. 2] Sir F., ⚕, * 1746 Devon, † 1821.

Milne, Colin, Scot. ☘, * Aberdeen, † 1815.

Milne-Edwards, 1] Henri, scient., * 1800 Bruges of Eng. parent; prof. of entom. at Paris 41, Copley medal 56, † 85. ✓ "Physiol. & Anat. Comparée," 14 vols., 57–81. 2] His s^n, Alphonse, scientist, * 1835.

Milner, 1] Isaac, ✝, math., & ⚖, * 1751 Leeds; prof. of natrl. ⚖ *Camb. 83, Vice-Chanc. of univ. 92,* Lucasian prof. math. 98, † 1820. 2] His broth., Joseph, ✝ & eccles. ♛, * 1744, † 97. ✓ "♛ of the Ch." 3] John, R. Cath. ✝, * 1752 London, † 1826.

Milnes, R. Monckton, *v.* Houghton.

Milo, athlete of Crotona, Italy, 6th cent. B.C., said to have been caught in a tree he was rending in two, & devoured by wolves.

Milo, anct. Melos, isld. in Grk. Archip., 1 of Cyclades; 64 s.m., *ca.* 4,000 inh.

Milreis, or Coroa, Portug. gold coin, unit of value = 1,000 reis = 4s. 5½d.; Brazil = nearly 2s. 3d.

Miltiades, Athen. ⚔, who deftd. Persians at Marathon (*q.v.*), † in prison 489 B.C.

Milton, John, poet., polit., & ✝ ✓, * 9/12 1608 Lond.; educated St. Paul's Sch. & Camb., lived at Horton 32–37, travld. in Fr. & Italy 37–39, Lat. sec. to Cromwell 49, blind from overwork 53, marr. 3rd wife 64, † Bunhill Fields 8/11 74; buried Cripplegate Ch., monumt. in Westminster Abbey. "Nativity" 29, "Il Penseroso" & "Arcades" 33, "Comus" & "Lycidas" 37, "Areopagitica" 44, "L'Allegro" 45, "Kings & Magistrates" 48–49, "Eikonoklastes" 49, "Defence of English People" 50–54, "Paradise Lost" 67, "Paradise Regained," "Samson Agonistes" 71, &c. Life by Masson, &c.

Milwaukee, ⊙ of Wisconsin, U.S.A.; 120,000 inh.

Mimis, Scand. myth., god. of wisdom.

Mimosa, ☘, a genus of plants, order *leguminosæ,* chiefly *M. sensitiva,* the sensitive plant.

Mina, Fr. E. y, Span. genl. & patriot, * 1781, † 1836.

Minden, ⊙ Westphalia, Germ.; 17,000 inh.: ⚔ of M. 1/8 1759, Fr. deftd. by Eng., Hessians, & Hanova.

Mine, 1] ⚒, a working for obtaining metals or other ⚒ products. 2] ⚔, a subterr. deposit of explosives to be blown up. Hence any concealed scheme.

Mineral Veins, or Lodes, narrow & more or less vertical deposits (as distingshd. from beds) of ● & metallic ores. Metallic ores occur mixed with vein stuff or matrix, consisting of quartz, calcite, fluor-spar, heavy-spar, & other crystallised ●s.

Mineralogy, science of ●s, wh. are charact. by the form in wh. they

crystallise, by colour, streak, hardness, fracture, lustre, & specific gravity. Hardness measd. by Moh's scale, 1 to 10: talc 1, gypsum or rock salt 2, calcite 3, fluorspar 4, apatite 5, potash felspar 6, quartz 7, topaz 8, corundum 9, diamond 10

Minerva, Rom. myth., goddess of wisdom & war = Grk. Athena or Pallas, who sprang from the head of Zeus in complete armour.

Minghetti, Marco, It. statesm., * 8/9 1818 Bologna; Prime Min. 73–6, † 86.

Minho, or Entre Douro e Minho, prov. of N W. Portugal, betw ♃s Minho & Douro; 2,671 s m., 985,000 inh ⊙s, Braga (cap.), Oporto

Minim, 1] 𝅗𝅥, note ½ the value of a semi-breve; in anct 𝅘𝅥𝅯, the shortest note. 2] ♏, smallest liq. meas = $\frac{1}{60}$ fluid drachm, or 1 drop.

Minion, a small type, next below brevier.

Ministry, *v.* Cabinet.

Minnesingers, Germ. = love-singers; troubadour poets, 12th to 14th cents.

Minnesota, State of U.S.A., on Canad. frontr.; wheat, ♄s, timber; a State 1858; 83,531 s.m, *ca* 800,000 inh. Chf. ⊙, St. Paul.

Minnow, ichth., sm fresh-water memb. of carp fam, *cyprinidæ*

Mino da Fiesole, Ital. ♘, * 1400, † 86.

Minor, ♅, *v.* Major.

Minorca, one of Balearic Isles (*q v*), next in size to Majorca; 240 s.m., 40,000 inh. Chf. ⊙, Port Mahon.

Minos, Grk. myth., k. of Crete, & husb. of Pasiphae; after death supreme judge of lower world

Minot, Laurence, 14th cent. Eng. poet; works discovd. 1794.

Minotaur, Grk. myth., a being half-man, half-bull, offspring of Pasiphae; slain by Theseus.

Mint, ♍, gen. *mentha;* *ca.* 25 sp

Minto, 1] G. Elliot, 1st earl of, Brit. administr., * 1751; Viceroy of Corsica 94–96, Baron M. 97, Govr.-Genl. Ind 1807–14, † 14. 2] His s., G. E., 2nd E., statesm., * 1782; Ld. Privy Seal 1846–52, † 59.

Minuet, 1] a slow stately figure-dance to ¾ time 2] Music for 1.

Minute-gun, ⚓, gun fired at minute-intervals as distress-signal.

Miocene, Lyell's term for beds formerly cld. Middle Tertiary. M. strata consist of clays, marls, sandstones, & limestones.

Miochin, Jap. iron-worker, 18th cent Of same fam.: M. Monokio, M Munekasu, M. Muneharu, 14th cent; M. Munefasa, 17th cent.; M. Mune, 18th cent.

Miolner, Scand. myth, Thor's magic hammer.

Mirabeau, 1] Gabr. Honore de Riquetti, Comte de, Fr. statesm., ♂, & orator, * 9/3 1749 Bignon, Nemours, dissolute youth, repres. Aix in States-Genl 89, prsdt of Jacobin Club 90, of National Assembly 91, went over to the king & received money, † 2/4 91; burd in Pantheon, but exhumed 93, when his relations with the court came out. 2] His father, Victor Riquetti, marq. de, polit. ♂, * 1715, † 89.

Mirabile dictu, Lat. = wonderful to be told.

Miracle-Plays, ♆, relig. dramas comm. in Midd Ages, representg. Scripture episodes.

Mirage, optical illusion by wh. images of distant objects are seen as if inverted, due to unequal heating of layers of atmosph., causing them to be of difft. density, & so reflecting the light-rays.

Miramon, M, Mexican genl. & statesm., * 1838; Presdt. of Mex. Repub 58, fled to Fr., † 19/6 67.

Mir-ul-lai, Turk. = lord of the wing, colonel.

Mirzapur, distr. of Benares, Brit. Ind.; 5,217 s m, 1,020,000 inh Chf. ⊙, M.; 67,274 inh.

Misdemeanour, ♃♄, any offence beneath a felony.

Misprision, ♃♄, any offence nearly, but not quite, capital; either positive (committing crime), or

negative (concealing crime); genlly. used in latter sense.

Missal, R. Cath. †, book containing the service of the Mass for the whole year; 1st compiled 496, revised 1634.

Mississippi, State of U.S.A., N. of G. of Mex., named aft. ⅄ M., wh. separates it from Louisiana on W.; admitted to Union 1817, seced. 61, re-admitted 69; 47,156 s.m., 1,150,000 inh. Cap. ⊙, Jackson. ⅄ M. rises in Lake Itasca, Minnesota; receives ⅄s Missouri, Ohio, Arkansas, &c.; & falls into G. of Mexico: 3,160 m., 2,200 navigable.

Mississippi Bubble, financial fiasco originated by John Law. *v.* Law 1.

Missolonghi, ⊙ of Greece, on G. of Patras; ceded by Turks 1829: death-place of Byron.

Missouri, a central State of U.S.A.; admitted to Union 1821; 65,350 s.m., 2,200,091 inh. Cap. ⊙, Jefferson City. ⅄ Missouri rises in Rocky ▲s, falls into ⅄ Mississ.; *ca.* 3,000 m., 2,500 navigable.

Mistletoe, ☙, gen. *viscum;* 1 Brit. specs., common M., *V. album.*

Mitan, Jas., engraver, * 1776 London, † 1822.

Mitchel, Jno., Irish polit. & ⁄, * 1815; transported 48, escaped to U.S.A., M.P. for Tipperary & † 75, before petition agst. his return, on grnd. of felony, could be decided.

Mitchell, 1] Sir Thos. L., Austrl. explorer & ⁄, * 1792 Stirlingsh., † 1855. 2] Alex., civ. ⊕, * 13/4 1780 Dublin, † 25/6 1868. 3] Thos., class. transl., * 1783, † 1845. 4] Jos., poet. ⁄, * 1684, † 1738. 5] D. G., Amer. nov. ⁄ (pseud. "Ik Marvel"), * 1822.

Mitchill, S. L., Amer. ⚥ & nat. ♛, * 1764, † 1831.

Mite, *v.* Acarus.

Mitford, 1] Mary Russell, novel, ☉, & misc. ⁄, * 16/12 1786 Alresford, † 10/1 1855 Reading. "Recollecns. of a ⁄ Life," &c. 2] Wm., ♛ & misc. ⁄, * 1744, † 1827. "♛ of Greece" 1784–1818. 3] Jno., †, poet. & misc. ⁄, * 1781, † 1859. 4] Jno., misc. ⁄. † 1881.

Mithra, or Mithras, Pers. myth., ruler of the universe.

Mithridates, the Grt., k. of Pontus, deftd. by Pompey 66, † by suic. 63 B.C.

Mitrailleuse, ⌘, a breech-loading gun for firing cartridges in rapid succession; includes Montigny, Gatling, Nordenfelt, Gardner, Hotchkiss, & Maxim guns.

Mitsutado, Japan. carver, 18th cent.

Mittimus, Lat. = we send; ⚖, (1) warrant of commitmt. pending trial; (2) writ for removing records from one court to another.

Mitylene, anct. Lesbos, ▲ous isld. in Grec. Archipel., one of Sporades; 600 s.m., *ca.* 40,000 inh. Chf. ⊙, M. or Castro.

Mivart, St. George, scient. & ⚕, * 30/11 1827 Lond.; joined R. Cath. Ch. 44, F.R.S. 67, Vice-Presdt. of Zoolog. Soc. 69 & 82. ⁄ "Genesis of Species" 71, "Nature & Thought" 83, &c.

Miwa, Japan. carver, 18th cent.

Miyagawa Choshun, Jap. ☻, * *ca.* 1683, † 1735.

Mizen, or Mizzen, *v.* Mast.

Mjölnir, *v.* Miolner.

Mnemonics, system of artificial or key memory.

Mnemosyne, Greek myth., goddess of memory, & moth. by Zeus of the Muses.

Mnesicles, Athen. △ of 5th cent. B.C.

Moberly, Geo., †, * 10/10 1803; head-master of Winchester, bp. of Salisbury, † 6/7 85. ⁄ "Introd. to Logic" 38, &c.

Mocassin, 1] legging & shoe of soft deerskin used by N.A. Indians. 2] A poisonous S. Amer. snake.

Mocha, ⚓ ⊙ of Arab., Yemen prov., on Red S. coast; *ca.* 5,000 inh.; once much larger.

Mocking-Bird, ornith., Amer. gen. *mimus. M. polyglottus* has great power of vocal imitation; its own song rich & full.

Mocquard, J. F. C., French orator & statesman, priv. sec. to Nap III., * 11/11 1791 Bordeaux, † 10/12 1864 Paris.

Modena, Ital ♔ ⊙, formerly cap. of duchy, now of prov, of M; 31,000 inh; 11th century Lombard cathed; ducal pal., &c. Prov. of M, 280,000 inh

Moderator, presdnt. of a Presbyterian deliberative assembly.

Modjeska, Helene, Polish ☉, * *ca.* 1843 Cracow; m. M. Modjeski 60, m M Chlapowski 68, apprd. at Warsaw 68, emig. to California 76, retrnd. to stage San Francisco as Adr Lecouvreur 77, apprd. London 80, 82, 85.

Modred, British myth., the traitor-knight who slays k. Arthur.

Modus operandi, Lat. = the manner of working.

Moehler, J., Germ. R. Cath. †, * 1796, † 1838.

Moffat, Robt, missnry. & ✓, * 1796 E. Lothian; worked for many years among Bechuanas, & translated pts of the Bible, † 9/8 83

Mogul Empire, the present Ind. provs of Delhi & Agra, fnded beginning of 16th cent by Baber (*q.v.*), the 1st Grt. M, so-called fm his Mongolian descnt.; absorbed in Brit. Empire 1806.

Mohair, wool of the Angora goat. *v* Angora.

Mohammed, or Mahomet, fndr. of Mohammedanism (*q.v.*), * 20/8 570 Mecca; m. Khadijah, widow of 40 (the 1st of 15 wives) 95, retrd. to cave in Mount Hira 610 for meditation, began to preach 613, driven from Mecca to Medina 20/6 622 (*v.* Hegira), conqrd. Arab., † 632 Medina. *v* Koran.

Mohammedanism, the relig. fnded. by Mohammed (*q v.*), inculcating belief in one God & in Mohammed as His prophet, prayer, fastg, almsgiving, & pilgrimage to Mecca; sabbath-day Friday Numbers *ca* 250,000,000, 50,000,000 in Ind. Is spreading rapidly in Africa. *v.* Koran.

Mohammed the Great, or M. II, Sult., of Turk, * 1430 Adrianople; suc. Amurath II. 50, lost Constantinople 53, † 81.

Mohl, J., Germ. orientalist, * 1800 Stuttgart; prof. Tubingen 26, † 76

Moi, P. v., Dutch ♔ ●, * 1590 Antwerp, † 1650.

Moir, Dav. M., Brit poet. & nov ✓, & ✈, * 1798, † 1851.

Moira, *v* Hastings, 1st marquis.

Moirai, *v.* Fates.

Molasses, uncrystallisable syrp. obtained in refining sugar.

Molay, Jacq de, last Grand Master of Templars, burnt 1314 on false charges.

Moldavia, Princes of, *v.* Roumania.

Moldavia & Wallachia, *v.* Roumania.

Mole, entom., gen. *talpa*, ranging from Eng. to Japan.

Molecular Theory, ⚗, the doctrine (revived by Dalton) that matter is composed of minute particles (molecules), these being blt. up of still smaller particles (atoms, *q.v*). A molecule is the smallest portion of a substance which can exist separately.

Molecule, *v.* Molecular Theory.

Molesworth, 1] Sir Wm., bart., ✓, ⚗, & Rad. polit, * 1810 Lond.; 1st Comsr. of Works 53, Col. Sec.; edited Hobbes's wks. 39–46, & spent £6,000 producg compl. ed, † 22/10 56. 2] Robt., Visct., Irish statesm. & polit. ✓, * 1656 Dublin, † 1725.

Molière, Jean, ☉, & the greatst. Fr. comic ☉ ✓ (*ne* Poquelin), * 15/1 1622 Paris, † on stage 7/2 73 *Le Misanthrope, L'Avare, Le Tartuffe, Le Malade Imaginaire,* &c.

Molina, Luis, Span. Jesuit †, * 1535, † 1601

Molini, G., Ital. bibliog., * 1772 Florence, † 1856.

Molinos, M., †, * 1627 Saragossa; fndr. of "Quietism," † 96 in prison. ✓ "Spiritual Guide."

Mollah. *v.* Cadi.

Moller, Georg, Germ. ⚠, * 21/1 1784, † 19/3 1852 Darmstadt.

Molloy, Chas., Irish ✆ & polit. ✓, * 1706, † 67.

Mollusca, zool., sub-kingdom of inverteb. soft-bodied animals, usually with shell, forming with *brachiopoda* (*q.v.*) the divsn. *molluscoida*. Mollusca proper comprise classes *lamellibranchiata, gasteropoda, pteropoda, & cephalopoda* (*q.v.*). Shell may be univalve, as in snails, bivalve (oysters), or multivalve (chitons).

Molly Maguires, Irish agrarian secret soc. whose membs. dressed in female attire, 1843. A sim. socy. arose in mining distrs. of Pennsylvania, U.S.A., 1877.

Moloch, myth., Ammonite god, to whom chldrn. were sacrfd. by fire; later they were hastily passed thro' the fire, to give them chance of surviving.

Moltke, 1] Helmuth Karl Bernhard, Cnt. von, Germ. fld.-marshal, * 26/10 1800 Parchim, nr. Mecklenburg, ✕ adviser to Turkey 35–9, chf. of staff in Magdeburg 48, col. 51, director of genl. staff 58–88, reorgan. Pruss. army w. Bismarck & Roon; planned Danish (64), Austro-Pruss. (66), & Franco-Germ. (70) campaigns; genl. fld.-marshal 71, life-memb. of Upp. House 72. ✓ ♛ treatise on Poland. 2] A. W., Comte de, Dan. statesm., * 25/3 1785, † 12/4 66.

Moluccas, or Spice Islands, grp. in E. Archipel., E. of Celebes, W. of N. Guinea; discovd. 1511, conqd. by Dutch 1607; inh. islnds. 42,420 s.m., ca. 500,000 inh; spices, cloves, nutmegs, mace, gold.

Molybdenum, ♃, rare metal, genlly. comb. w. sulphur, formg. the ⊕ molybdenite.

Molyneaux, Wm., Irish math. & ✕, * 1656, † 98.

Mommsen, Theo., Germ. ♛ ✓, * 30/11 1817 Schleswig; sec. of Berl. Acad. of Sciences 74. "♛ of R.," 53–85, "Corpus Inscriptionum Latinarum," &c.

Monaco, ⊙ & small principality betw. Fr. deptmt. of Alpes Maritimes & Mediterranean coast; ca. 6 s.m., 7,000 inh. Revenue derived mostly from Monte Carlo gaming-tables.

Monad, something single: 1] ♃, an element of one valency. 2] A simple animalcule of one cell.

Monaghan, Irish county, Ulster prov.; 499 s.m., ca. 103,000 inh.; ✓ & linen; rets. 2 M.P.s, N. & S. divsns. Cap. ⊙, M.; 3,500 inh.

Monasticism, orig. in Decian persecutn., 3rd cent., when many Egypt. Christians fled to deserts & ⚠s, & livg. in solitude became mnks. (Grk. *monos* = alone); in 4th cent. houses were built for them in the Thebais, & those who thus lived together were called Cœnobites (*q.v.*), as distinct from Anchorites (*q.v.*). Monastic vows introd. by St. Benedict, 6th cent. Dissolution of Eng. monasteries began 1312 with suppression of Templars, completed at Reformation.

Monboddo, Jas. Burnet, Lord, Scot. ⚖ & ⚒ ✓, * 1714, † 70; eccentric.

Moncreiff, 1] Sir Hy., Scot. †, * 1750, † 1827. 2] His s., Sir Jas., ⚖, * 1776; Lord of Justiciary 1829, † 51.

Monday, day of the moon; 2nd day of week.

Monferrato, mediæval Ital. family celebrated as Crusaders.

Monghyr, distr. of Bhagalpur, Brit. Ind.; 3,922 s.m., ca. 1,900,000 inh. Cap. ⊙, M.; 60,000 inh.

Mongolia, trib. cntry. of China, between China & Asiatic Russia; 1,288,035 s.m., ca. 2,000,000 inh., mostly nomads. Chief ⊙, Ourga, on an affluent of ⚲ Salenga.

Monitor, 1] zool., gen. of large lizards; 18 species; S. Asia, Africa, Austral., New Guin., Austro-Malay Islds. 2] ⚓, a war-ship resemblg. a raft with a revolving turret.

Monk, *v.* Monasticism.

Monk, Hon. Mrs. Mary, poet. & misc. ✓, † 1715.

Monk, Geo., dk. of Albemarle,

Eng. genl, * 6/12 1608; fought in Civ. War, first as Royalist, then as Parlt; apptd to comnd of army in Scot. 54, brt. about Restoration 60, defeated Dutch fleet 66, † 3/1 70, buried West Abbey

Monk-Bretton, John Geo Dodson, Eng statesm, * 1825; Chairm of Committees 65–72, Presdt Local Govt Bd 80–82, Chanc. of Dchy of Lanc 82–84, peer 84

Monkey, zool, pop name of a large group of anims. of ord *primates*, class *mammalia*; sometimes applied to *simiidæ* (anthropoid apes & gibbons), *semnopithecinæ* (Old World M s), *cynopithecinæ* (baboons & macaques), *cebidæ* (Amer M s), & *hapalidæ* (marmosets), other /s exclude apes, gibbons, & baboons

Monk's-hood, *v* Aconite

Monkswell, Ld, *v.* Collier, Sir Robt P

Monmouth, Eng ⚓ county, on Welsh bord; 575 s m, *ca* 212,000 inh; ⚓s, Usk & Wye; ⚓s; rets 3 M P s N, W, & S divs. Cap ⊙, M; 6,112 inh; M. distr rets 1 M.P

Monmouth, Jas., dk of, s of Chas II. by Lucy Walters, * 9/4 1649 Rotterdam; deftd. Covenanters at Bothwell Brigg 79, banished for conspir., landed at Lyme 11/6 85 in revolt agst. Jas. II., deftd. at Sedgmoor 5/7, executed 15/7

Monnoyer, J B, Belg flower ●, * 1635, † 99

Monoclinous (⚥)=hermaphrodite (*q v.*).

Monocotyledonous Plants, *v.* Endogens

Monoecious, ♂♀, plants with stamens & pistils in distinct flwrs., but both on same individual; *e g*, oak.

Monolith, ▲, column, pillar, &c, of a single stone.

Monophysites, †, those who believe Christ had only 1 nature—the divine.

Monothelites, †, those who believed Christ w 2 natures had 1 will—the divine.

Monotremata, zool., lowest ord. of *mammalia*, formg. (w. the next highest order, *marsupialia*) a divsn. of non-placentals; 2 fams., *ornithorhynchidæ* & *echidnidæ*; Australasia.

Monro, 1] Alex., Scot ⚕, * 1697 Edinb, † 1767. / "Osteology." 2] John, ⚕, * 1715 Greenwich, † 91.

Monroe, Jas, Amer. statesm., * 28/4 1758 Westmorld. co; Presdt. 1817–25, † 4/7 31. Author of the M Doctrine, in Message to Congress 2/12 23, that Europ. Powers must keep hands off indept States of N & S Amer, while latter wd. not meddle with Europ. affairs.

Monroe Doctrine, *v.* Monroe, J.

Mons, Belg. ⊙ Hainault prov.; 25,000 inh, cathedral.

Mons Meg, old gun in Edinb. Castle, made at Mons, Flanders.

Monson, Sir Wm, ⚓ & ⚓ /, * 1569, admiral of "Narrow Seas" 1604, † 43

Monsoon, a wind periodical in India, N E Oct. to Mar, S.W. Apr. to Sept, on wh rain chfly. depends.

Mont Blanc, highest ▲ of Alps, 15,781 ft, on frontr. of Fr. & Italy; summit 1st reached 2/8 1787 by Saussure.

Mont Cenis, ⊖, ▲ in Savoy Alps, tunnel 8 m. long 1857.

Mont de Piété, Fr.=pawn-shop.

Montagu, 1] Lady Mary Wortley, d of dk of Kingston, misc. /, * 1690; m. E. Wortley M., lived Turkey 1716–18, in Italy 39–61, † 62 Letters from Turkey, &c. 2] Elizab, *nee* Robinson, misc. /, * 1720; fndr of Blue Stocking Club, † 1800 3] Geo., natrlst., * 1755, † 1815. 4] Basil, ⚕ & misc. /, * 1770, edited Bacon 1825, † 51. 5] Richd., †, * 1578; bp. of Chich. & of Norwich, † 1641. 6] Chas., *v.* Halifax, Earl of. 7] Edward, *v.* Manchester, Earl of. 8] Henry, *v.* Manchester, Earl of.

Montague, Earls of Sandwich: 1] Edwd, Eng. adml., * 1625; brt. Chas. II back to Eng., kld. 72. 2] John, statesman, * 1718; opposed Walpole, † 92.

Montaigne, M. E. de, Fr. moral ♁, * 28/2 1533 Perigord, † 13/9 89. ✓ "Essays."

Montalembert, C. F. R., Comte de, Fr. ✓ & polit., * 29/5 1810 Lond.; settled in Paris, opposed Louis Napoleon after *coup d'etat*, † 13/3 70 Paris; ♛ & polit. works.

Montana, a territory of U.S.A., organsd. 1864, on frontr. of Canada, W. of Dakota; 143,776 s.m., 40,000 inh.; ⊕s & grazing.

Montanists, †, sect fndel. *cv.* 171 by Montanus, a Phrygian, who proclaimed himself the Paraclete, & introd. rigid code of morals; died out *ca.* 6th cent.

Montanus, *v.* Montanists.

Montcalm de St. Veran, L. J., Fr. marshal, * 1712; com. Fr. troops in Canada, † in ⚔ before Quebec 59, Wolfe also perishing.

Monteagle, Thos. Spring-Rice, Lord, Whig statesm., * 8/2 1790 Limerick; Col. Sec. 1834, Chanc. of Exchcq. 35–9, † 31/1 66.

Montebello, Duc de, *v.* Lannes.

Monte Cristo, uninhabited isld. off coast of Italy, 26 m. S. of Elba.

Monte Rosa, *v.* Alps.

Monte Video, or San Felipe de M. V., cap. & ⚓ ⊙ of Uruguay Republic, N. of La Plata estuary; 106,000 inh.

Montefeltro fam., *v.* Urbino, Dukes of.

Montefiore, Moses, Jew. philan., * 24/10 1784 Lond.; sheriff of Lond. & knt. 37, High Sheriff of Kent & bart. 46, celebrtd. centenary 83, † 28/7 85.

Montenegro, principality of E. Europ., on Adriatic sh.; 3,550 s.m., *ca.* 250,000 inh.; ▲ous; ✓ & coarse woollens; cap. ⊙ Cettinge, 1,500 inh.; ⚓ ⊙s, Antivari & Dulcigno; reven. *ca.* £60,000, debt £170,000; Grk. Ch.; indep. of Turkey 1878, aft. war; present prince, Nicholas or Nikita, * 1840, ⚔ & poet. ✓.

Montespan, Franç., La marquise de, mistress to Louis XIV. of Fr., * 1641; supersd. by Mme. Maintenon & adopted life of penance, † 1707.

Montesquieu, Charles de Secondat, Bar. de, polit. & ♛ ♁, * 18/1 1689 near Bordeaux, † 10/2 1755 Paris. ✓ "Greatness & Decay of the Romans" 34, "Spirit of Laws" 48, &c.

Montezuma, Emp. of Mexico, * 1466, † from wound recvd. while being resed. from Spaniards 1520.

Montfaucon, B. de, Fr. Ψ, * 13/1 1655 Languedoc, † 21/12 1741 Paris.

Montfort, 1] Simon de, earl of Leicst., Eng. statesm. & ⚔, * *cv.* 1206 Fr.; to Eng. 36, m. Hy. III.'s sister 38, forced him to convoke Parlt. of Oxf. 58, deftd. him at Lewes 13/5 64, summoned repr. Parlt. 65, slain at Evesham in ⚔ 4/8 65. 2] His f., Simon de, a Crusader, * 1150, killed 1218 Toulouse.

Montgolfier, J. E., joint invntr. w. his bro. Joseph Michel (* 1740 † 1810) of the balloon, * 1745 Serrières, Ardèche dept., † 99. *v.* Balloon.

Montgomery, 1] Welsh inld. co.; 758 s.m., 66,000 inh.; rets. 1 M.P. Cap. ⊙, M.; 1,300 inh.; distr. rets. 1 M.P. 2] Distr. of Multan, B. Ind.; 5,573 s.m., 360,000 inh. Cap. ⊙, M.; 2,500 inh.

Montgomery, 1] Jas., poet & polit., * 4/11 1771 Irvine; imprsnd. for polit. offences 95, 96, † 30/4 1854 Sheffield. 2] Robt., † & ✓ of verse, * 1807 Bath, † 55 Brighton. "Omnipres. of Deity" 28, "Satan" 30, &c.; crushed by Macaulay. 3] Florence, nov. ✓, * 1847. 4] Alex., Scot. poet, * 1540 Germ., † 1607.

Month, *v.* Calendar.

Montholon, C. T., Comte de, chamberln. of Nap. I., * 1782 Paris; accompd. Nap. to St. Hel., & published his memoirs, was imprisoned with Louis Nap. 1840, † 24/8 53.

Montmorency, Fr. fam. dating from 10th cent.

Montpellier, Fr. ⊙, Hérault departmt.; 57,000 inh.; cathed., univ.

Montpensier, 1] A. M. Ph. L. d'Orleans, duc de, pretender to Span. throne, 5th s. of L. Philippe, * 31/7 1824; m. Maria Louisa (sist. of Isab. II. of Spain) 46, banished

68. 2] A. M. L. d'Orleans, duchesse de, misc. ✓, dau of Gaston dk of Orleans, * 1627 Montpensier, m. Comte de Lauzun, † 93

Montreal, ⚓ ⊙ of Canada, N. bank of ⅄ St. Lawrence, 145,000 inh.; Anglican & R. Cath. bpries; univ. fnded. 1211. ♛: fnded by Fr. 1642, surrendrd to Eng. 1760, taken by Amer. 75, re-taken by Eng 76.

Montrose, Jas. Graham, marq. of ("the Great Marq."), Scot. ✕, statesm, & lyric ✓, * 1612 Montrose; signed Covenant 38, went over to Chas. I., fled to Cont. on the king's surrender, invaded Scot. 50, exec. 21/5 50 Edinburgh.

Montrose, Scot. ⚓ ⊙, Forfar co., mouth of South Esk ⅄; 15,000 inh.; distr. rets 1 M P

Montserrat, Brit W Indies, 1 of Leeward Islands; 47 s m., *ca.* 9,000 inh.

Moody, D. L., Amer. revivalist, * 5/2 1837 Mass.; entrd ministry at Chicago 65, to Eng. 61, 71, 73–5, 83–4. ✓.

Moolraj, nat. govr of Multan, Ind; succ his father 1844, murd Brit. offrs 48, deftd & sentenced to life-imprisonment 49

Moon, ☽, the earth's satellite, shining only with sun's light; diam. 2,160 m., *ca.* ¼ of the earth s; distance fr. earth varies fr 220,000 to 260,000 m.; revolves round the earth in 27d. 7h. 43m 11 461s (but the lunar month is longer than this "sidereal period" by 2d. 5h. 51·41s, on account of the earth's advance in its orbit), apparently no water or atmosphere, & no life such as is known to us; surf. covrd. with volcanoes, seemingly extinct, some fr. 16,000 to 17,000 ft deep, one 78 m broad, another 64, a 3rd 50. *v.* Eclipse, Tides.

Moonstone, *v.* Feldspar.

Moore, 1] Sir Jno., Brit. genl, * 18/11 1761 Glasgow, served in W Ind., Ireland, Holland, Egypt; commandr. of Penins. army 1808, deftd. Soult at Saldanha, killed 16/1 09 Corunna, monumt. in St. Paul's. 2] Thos, Irish poet & biogr. ✓ & ♥, * 28/5 1779 Dublin; Crown pension of £300 a yr. 1835, † 26/2 52 imbecile nr Devizes "Poet Works of the late Thomas Little" (pseud.) 01, "National Airs" 15, "Lalla Rookh" 17, "Loves of the Angels" 23, "Life of R B. Sheridan" 25, "♛ of Ireland" 27, "Life of Byron" 30 Life by Lord John Russell 53. 3] Albert, ●, * 1837 York; elected to Soc. of ●s in Water Colours 81. 4] Edwd., Eng. ☉ & misc. ✓, * 1712, † 57. 5] Jno, Eng. ✝, * 1644; bp. of Norwich & Ely, † 1714 6] N F, Amer. schol, * 1782, † 1849. 7] Jno., misc. ✓, * 1730, † 1802.

Moorfowl, *v* Grouse.

Moor-hen, or Water-hen, ornith., Eng name of *fulica chloropus.*

Moorhouse, James, ✝, * 1826 Sheffield, D D 76, Huls. Lect 65 & Warburt 75, Preb. of St. Paul s 75, bp. of Melbourne 76, of Manchester 86.

Moorshed Koole Khan, Viceroy Bengal und Aurungzeeb, † 1725.

Moose, *v* Elk

Moradabad, distr of Rohilkhand, B Ind., 2,272 s m, 1,200,000 inh Cap. ⊙, M; 63,000 inh.

Moraine, lines or deposits of rocks left or brought by a glacier

Moralities, *v* Mysteries.

Moral Philosophy, or Moral Science, science of human duty. M philosophers are divid. into 2 schools. the Intellectual, wh attributes conscience to external influences; & the Intuitional, which asserts its perceptions to be innate & immed Leading Intell theories are the Selfish (Hobbes), Rational (Whewell), Utilitarian (Hume, Bentham, the Mills), Development (Schopenhauer).

Morant, Philip, ✝ & local ♛, * 1700 Jersey, † 70

Moravia, prov of Austro-Hung, frmly pt. of Bohem.; ▲ous; 8,583 s m, 2,200,000 inh, pasturage, ●s, linen & cottn. mnfs. Cap. ⊙, Brünn.

Moravians, or United Breth., †, evang. sect originatg. in Bohemian Breth. (*q.v.*); pure morals & missy. zeal: called M. s because when scattered by persectn. they settled chiefly at Fulnek, Moravia.

Moray, Scot. county, *v.* Elgin.

Moray Firth, inlet of N. Sea, N. of Elgin & Inverness; 16 m. wide at entrnce.; connctd. w. Irish S. by Caledonian Canal.

Moray, Jas. Stuart, E. of, bro. of Mary Q. of Scots, * 1530; chosen Regent on Mary's impt., assd. 70.

Morbihan, Fr. department, on coast of B. of Biscay; 2,625 s.m., 522,000 inh. Cap. ⊙, Vannes.

Mordants, ⚗, metallic oxides & salts used in dyeing for fixg. colrs.

Mordaunt, Chas., earl of Peterboro', Eng. genl., * 1658; commd. army in Spain & took Barcelona, apptd. imperl. comdr.-in-chief, † 1735 Lisbon.

More, 1] Hannah, ✆, poet. & nov. ✓, * 1745 Stapleton, † 7/9 1833 Clifton. 2] Sir Thos., statesm., ⚖, & ✍, * 1480 Lond.; Lord Chancellor 1529, oppsd. Hy. VIII.'s divorce fr. Cath. of Arag., exectd. 6/7 1535. 3] Hy., Eng. † & Platonist, * 1614, † 87.

More majorum, Lat. = In the manner of our ancestors.

Morea, *v.* Peloponnesus.

Moreau, J. V., Fr. genl., * 1763; comdr.-in-chf. of Rhine army 96, won ⚔ of Hohenlinden 1800, banished by Bonaparte 04, killed 13 Dresden.

Morel, ✿, fungi of gen. *morchella*, esp. *M. esculenta*.

Morell, Thos., Eng. scholar & philol., * 1703, † 84.

Mores, E. R., Eng. Ψ & topog., * 1730, † 78.

Morgagni, G. B., Ital. anat., * 25/2 1682 Forli, † 15/11 1771 Padua.

Morgan, 1] Lady (*née* Owenson), Irish nov. & misc. ✓, * *ca.* 1783 Dublin, † 13/4 1859 Lond. 2] Her husb., Sir T. C., ⚖ & misc. ✓, * 1783, † 1843. 3] Sir Hy., Welsh buccanr., * 1632; imprisoned for piracy, afterw. Lieut.-Govr. of Jamaica, † 90. 4] Wm., †, bp. of Llandaff & of St. Asaph, 1 of translators of Welsh Bible, † 1604.

Morganatic, *term* applied to marriage betw. man of royal blood (or in Germ. of high nobility) & woman of inferior rank; *alias* Left-handed Marr., left hand being givn. instd. of right: children legit., but do not inherit.

Morgue, Fr., dead-house, where bodies are exposed for identificatn.

Moriat, female Irish bard, *ca.* 4th cent. B.C.

Morier, Jas., Eng. misc. ✓ of Swiss descent, * 1780, † 1849.

Morison, 1] Alex., Scot. ⚖, * 1779; knt. 1838, † 66. 2] Robt., Scot. ⚖ & ✿, * 1620 Aberd., † 83.

Morland, 1] Geo., ✍, * 1763 Lond.; exhibited at Academy 78, † 1804. 2] Sir Saml., Eng. ⚖, & ⚙ inventor, * 1625, † 95.

Morley, 1] John, ✍ & misc. ✓, & statesm., * 1838 Blackburn; M.P. for Newcastle-on-Tyne 83, Ir. Chf. Sec. 86. Edt. of *Fortnightly* 67–82, *P.M. Gazette* 80–3, *Macmillan's* 83–5; ✓ "Burke" 67, "Voltaire" 72, "Compromise" 74, "Rousseau" 76, "Diderot" 78, "Cobden" 81, &c. 2] Hy., misc. ✓, * 1822 Lond.; Eng. lect. at King's Coll. 57–65, Eng. prof. Univ. Coll. 65; "Palissy" 52, "Fables & Fairy Tales" 60, "First Sketch of Eng ✓" 73, "Eng. Writers" (vol. i.) 87, (ii.) 88. 3] Saml., philan. & polit., * 1809 Hackney; M.P. for Bristol 68–85, declined peerage, † 86. 4] Geo., †, * 1597; bp. of Worcester 1660, † 84; a benefactor of Oxfd. Univ. 5] Thos., Eng. ♪, † 1604.

Morley, Mrs., name und. which Q. Anne corresponded with the duch. of Marlboro' ("Mrs. Freeman").

Mormons, †, pop. name for the Latterday Saints, fnded. by Jos. Smith (*q.v.*), who claimed to have recvd. a revelation, wh. he recorded in the Bk. of Mormon, naming it after a myth. person who in early

times, he said, led a Jew immigration into Amer; 1st M. ch. fnded. N York State 3/4 30 his successor, Brigham Young (*q v.*), led a M. exodus to Salt Lake Valley, aftwds. annex. by U S. They accept the Bible, the Trinity, Atonement, &c, permit polygamy; & claim miraculous gifts for their leaders. Many converts still being made in Eng., &c.

Mornington, G. Wellesley, E of, Irish ♅, * 1720, prof. of ♅ in Dub Univ., † 81; fath. of dk of Wellington

Morny, C A., dk de, Fr statesman, * 23/10 1811 Paris; half-broth. of Nap III, adopted by Comte de M; became Min. of Interior und Nap III., Presdt. of Corps Legislatif 54-65, † 10/3 65 Paris.

Morocco, Emp of N.W. Afr., on coasts of Medit & Atl.; *ca* 314,000 s m., fr 5 to 8 mill inh.; ♂, leather, gold, silver, & other ⊕s. 8 cap ⊙s: Fez, chf. resid of Sult., 80,000 inh.; M., old cap, 50,000 inh.; Mequinez, 56,000 inh. Despot govt; Mohamm. Army *ca.* 15,000, reven. & expend. *ca.* £1,700,000. Prest. Sult., Muley el Hassan, * *ca.* 1839.

Morpeth, Ld, *v.* Carlisle

Morpeth, ⊙ Northumb, 34,000 inh., rets 1 M.P.

Morpheus, Rom. myth., son of Sleep, & god of dreams.

Morphia, or Morphine, ⚗, alkaloid extract. fr. opium; used in ⚕ as a narcotic. Form. $C_{17}H_{19}NO_3$.

Morphology, science of the form, structure, & arrangement of parts in animals & plants

Morris Dance (Span. = *Morisco* Moorish), grotesque D. imitated fr. the Moors of Spain; usually by 1 person, w. castanets.

Morris, 1] Lewis, poet, * 1884 nr. Caermarthen; Chancellor's prize Oxf. 55, Eng. Essay prize 58, "Songs of Two Worlds" 72, 74, 75, "Epic of Hades" 77, "Gwen" 79, "Ode of Life" 80, "Songs Unsung" 83, "Gycia" 86. 2] Wm., poet, artist, & Socialist, * 1834 Walthamstow; "Guenevere", 58, "Jason" 65, "Earthly Paradise" 68, "Sigurd" & translation of "Æneid" 76, &c 3] Chas, lyric ♂, * 1740, † 1832. 4] Lewis, Welsh ♆ & poet, * 1702, † 65. 5] G, Amer statesm, * 1752 Morrisania; to Lon 1 as Washington's priv. agent 91, † 1816. 6] Richd., †, schol., & grammar., * 1833.

Morrison, Robt., missionary to China, * 5/1 1782 Morpeth, † 1/8 1834 Canton.

Morse, Sam F. B., ⊕, invntr. of the recording electric telegraph, * 27/4 1791 Charlestown, † 2/4 1872.

Morse, *v.* Walrus.

Mortar, 1] ⚔, short cannon for firing shells at high angles. 2] ▲, cement of slaked lime & sharp sand.

Mortgage, ⚖, the grant of an estate as security for borrwd money, the grant becomg void on repaymt.

Mortification, ⚕, death of a pt. of a living body, genlly. fr. inflammation *v.* Gangrene

Mortimer, J. Hamilton, ♛ ♂, * 1739, † 79.

Mortimer, Roger, earl of, * 1287, exectd. 1330.

Mortmain (= dead-hand), Statutes of, ⚖s passed *temp.* Edwd. I. forbidding the gift of estates to the Church without king's licence; often since modified, by 34 Vict pub. pks., musms, & schls. are exempted

Morton, Jas. Douglas, earl of, Scot. statesm, * 1530, appointed Ld. Chanc. of Scot.; an accomplice in Rizzio's murder; Regent; exec. for Darnley's murd. 81.

Morton, 1] John, Eng. ⚖ & †, * 1410 Bere Regis; bp. of Ely & archbp. of Canterbury, Card. 93, † 1500 2] Thos, †, * 1564; bp. of Chester, Lichfield, & Durham, † 1659. 3] Thos., ⊙ ♂, * 1764, † 1838.

Moryson, ♛ & misc. ♂, * 1566, † 1614.

Mosaic, an arrangemt. of small pieces of vari-colrd. glass, marble, &c, in pattern. Art practised by Grks. & Romns, revived in It. 12th cent., brought to perfection 16th.

Mosasaurus, zool., genus of

fossil aquat. lizards; in rocks at top of chalk series.

Moscow, anct. cap. ⊙ of Russ. (now cap. of govt. of M.), on ⅄ M., *ca.* 400 m. S.E. of St. Petersburg; walls 25 m. round; citadel, the Kremlin (containg. imp. palace), is inclosed by walls 2 m. round; Cathed. of the Assumption fnded. 1325, rebuilt 1472; seat of Metropolitan of Græco-Russ. Ch.; univ. founded 1753, *ca.* 1,800 students; centre of R. mnfs.; 750,000 inh. Fired in 1812 to drive out French.

Moselle, ⅄ of Cent. Eur., 330 m. long, risg. in Fr. deptmt. of Vosges, & fallg. into ⅄ Rhine at Coblentz. Until war of 1870–1 M. was name of a Fr. departmt., now merged in Meurthe-et-M. (*q.v.*).

Moser, G. M., Swiss ♘ & ●, * 1704; 1st president of Eng. Royal Acad., † 83.

Mosheim, J. L. v., Germ. ✝ & eccl. ♛, * 9/10 1694 Lubeck, † 9/9 1755 Gottingen. ⁄ "Ch. ♛" 55.

Mosquitia, or Mosquito Coast, distr. of Nicaragua, once und. Brit. protectn.; 15,000 s.m., 15,000 inh.

Mosquito, entom., pop. name of var. 2-wingd. insects w. long proboscis for suckg. blood; chfly. of gen. *culex*. Male feeds on plant-juices only.

Moss, 1] Robt., ✝, * 1666 Gillingham; dean of Ely 1712, † 29. 2] His nephew, Chas., ✝; bp. of St. David's, & Bath & W., † 1802. 3] His s., Chas., bp. of Oxford, † 1811. 4] Thos., poet. ⁄, * 1740, † 1808.

Moss, ♥, large class (*musci*) of small plnts., both terrest. & aquatic; several thousand species.

Moss Agate, ◆, agate containg. grains of oxide of iron or of chlorite, resembling Moss.

Mossom, Robt., Irish ✝; bp. of Derry, † 1679.

Mossop, Hy., Irish trag. ♘, * 1729, † 73.

Motett, ♪, a vocal composition in harmony; words from Bible or Roman office-book.

Moth, entom., insects (mostly nocturnal) of divsn. *heterocera*; distingshd. fr. butterflies by antennæ tapering to a point instd. of ending in a knob.

Mother Carey's Chickens, *v.* Fulmar Petrel.

Mother-of-Pearl, *v.* Pearl.

Mother Red-cap, "Shrew of Kentish Town," identified by some with Jinney Bingham, a 17th cent. "witch" at Camden Town.

Mother Shipton, reputed prophetess, believed to have been * Knaresboro' *temp.* Hy. VII., † nr. Clifton, Yorks.

Motherwell, Wm., poet. & misc. ⁄, * 1797 Glasgow, † 1835.

Motherwort, ♥, gen. *leonurus*; esp. *L. cardiaca*.

Motley, John Lothrop, Amer. ♛, * 15/4 1814 Dorchester, Mass.; U.S. Min. at Vienna 61–7, at St. Petersburg 74. Mem. by O. W. Holmes.

Motteux, P. A., Fr. ⁄ of Eng. dramas, &c., * 1660, † 1718.

Mottley, John, ♘ & misc. ⁄, * 1692; compiled "Joe Miller's Jest-book," † 1750.

Motu proprio (Lat.) = of his own accord.

Moukhtar, Ahmed, Turk. genl. & pasha, * 1837; genl. 71, comdr.-in-chf. in Armen. 77, relieved Kars, govr. of Janina 78, joint-comsr. to Egypt with Sir H. D. Wolff 85.

Mould, ♥, any thread-like fungus. Brown, blue, or green M. is *penicillium glaucum*; another green M. is *mucor mucedo*.

Moulin, Peter du, Huguenot ✝, * 1568 Fr.; preb. of Canterbury, prof. at Sedan, † 1658. ⁄.

Moultrie, John, poet & ✝, * 1799 London; vicar of Rugby, † 1874. ⁄ "Dreams of Life" 43, &c.

Mountain, extreme democratic party in 1st Fr. Revolutn., who sat on the highest benches in hall of National Convention.

Mountain Ash, *v.* Rowan.

Mountain Limestone, *v.* Carboniferous System.

Mountains of the moon, range in Cent. Afr., not yet fully explord.

Mountjoy, Chas. Blount, Lord, Eng. ✕, * 1563; suppresd. rebelln. in Ireld., created E. of Devonsh. by Jas. I., † 1606.

Mount Temple, William Fras. Cowper-Temple, 1st Bar, statesm., 2nd s. of 5th Earl Cowper, * 13/12 1811; Vice-Presdt of Committee of Educatn. 57, of Bd of Trade 59, 1st Commsr of Works 60–6, made peer 80, † 16/10 88

Mouravieff, Nich, Russ. genl, * 1798; comd. army in Asia, in Crimean War, redcd. Kars 55, † 66.

Mourne Mountains, range in S of co Down, highest point, Slieve Donard, 2,800 feet

Mouse, zool., the smaller species of gen. *mus*, larger being rats, 8 Brit specs common *M*, *mus musculus*; long-tailed Field *M*, *M. sylvaticus*; & Harvest M., *M. minutus* or *messorius*. Dormouse (*q v.*) belongs to another family.

Moyle, Eng. class translator & misc. ✓, * 1672, † 1721

Mozambique, Portug. territ in E Afr., on M Channel, wh separates M. from Madagascar; 382,683 s m, 350,000 inh. Cap. ⊙, M

Mozart, Johann C W. G, ♫, * 27/1 1756 Salzburg, ♫ director there 70, comp to imp. court at Vienna 81, † there 5/12 91. *Figaro* 86, *Don Giov* 87, *Cosi fan Tutte* 88, *Zauberflote & Requiem* 91, &c.

Mozley, 1] Jas. Bowling, High Ch. †, * 1813 Lincs.; canon of Worcester 69, Reg. Prof. Div. Oxfd 71, † 4/1 78 ✓ "Baptismal Controv" 63, "Miracles" 65, &c. 2] His bro, Thos, † & journ, * 1806 Gainsboro' ✓ "Reminiscences" 82 & 85

Mucous Membrane, anat, soft tissue wh. lines internal passages of the body; glands secrete *mucus*, a slimy fluid

Mudge, Thos, Eng. ⊕, * 1715, † 94.

Mudie, Robt., naturl. ♛, * 1777 Forfarsh., † 1842.

Muggleton, Ludowick, fndr. of Muggletonians (now nrly. extinct), * 1607, † 97; a crazy tailor.

Muhammad, Shah of Persia, * 1806, suc 34, † 48

Muir, 1] John, Sanscrit schol. & ✓, * 1810 Glasg, † 7/3 82 2] His brother, Wm, Arab schol & Ind. administr, * 1819; govr. of N W Provs. 68–75, vice-chanc. & principal Edinburgh Univ. 85. ✓ "Life of Mahomet" 58–61, &c.

Mulahacen, *v.* Cumbre de M.

Mulatto, child of white & black parents

Mulberry, ♣, the genus *morus*, typical of group *moreæ*

Mule, 1] zool., *genrily. a hybrid;* specifically, the result of a cross betwn. horse & ass. 2] Spinning-machine invtd. by Crompton 1779, & combing. features of Hargreaves' & Arkwright's

Mulhausen, ⊙ of Alsace-Lorraine, on ⚓ Ill; 70,000 inh.

Mull, ▲ous isle of Inner Hebrides; 370 s.m, 6,000 inh Chf. ⊙, Tobermory

Müller, 1] Fried. Max, Germ. philol., * 6/12 1823 Dessau, came to Eng 46 to edit "Rig-Veda" for the E I Co, prof. of mod. langs at Oxford 54, sub-libr of Bodleian 65, prof of comp. philol. 68 Works in Eng. on Sanscrit & general ✓ 2] His fath, Wilhelm, Germ lyr. poet, * 7/10 1794 Dessau, † 1827 3] J., Germ physiol, * 14/7 1801 Coblentz, † 28/4 58. 4] K O., Germ. ♛ of Greece, * 1797 Brieg, † 1840 5] Wm. Jas, left-handed Eng. landscape ●, * 1812 Bristol, † 45 6] J., Germ ✕, math., & †, * 6/6 1463 Konigsberg; archbp. of Ratisbon, † 6/7 76 Rome. 7] J v., Germ. ♛, * 3/1 1752 Schaffhausen, † 29/5 1809. 8] O. F., Dan. natlst, * 1730, † 84.

Mullet, ichth, pop name of gen. *mullus* (red) & of fam. *mugilidæ* (grey), both edible.

Mullion, Goth. ▲, a vertical divsn in a window, screen, &c; a horizont. divsn is a transom.

Muloch, Dinah Maria (Mrs.

Craik), nov. / & poet, * 1826 Stoke-on-Trent, † 87. "Ogilvies" 49, "John Halifax" 57, &c. † 13/10 87.

Mulready, Wm. R. A., Irish ●. * 1786 Ennis, † 7/7 1863; designed "M. envelope" for Post Office.

Multan, divsn. of Panjab, Brit. Ind., incldg. distrs. of M., Jhang, Montgomery, Muzaffargarh; 20,156 s.m., 1,500,000 inh. Distr. of M., 5,927 s.m., 500,000 inh.; chief ⊙ M., 46,000 inh.

Multum in parvo, Lat.=much in little.

Mumbo Jumbo, myth., malignant W. Afr. bogey.

Mummy, a body preserved fr. decay by embalmg., so as to be ready for resurrectn.; anct. Egypt, Peru, &c.

Mumps, or *Parotitis*, ✱, inflam. swelling of salivary glands.

Munchausen, K. F. H., Bar.v., Germ. offr., * 1720 Hanover; served agnst. Turks 37–9, † 97. His stories of adventure form basis of a vol. publd. by R. E. Raspe.

Munday, Anth., Eng. ✆, poet., & misc. /, * 1554, † 1633.

Mundella, Anth. John, Eng. statesm., * 1825, of Ital. descent; sheriff of Nottingham 32, Radical M.P. for Sheffield 68, Vice-Presdt. of Counc. on Eductn. & a Charity Commsr. 80–5, Presdt. of Board of Trade 86.

Munden, Jos. Saunders, comic ✆, * 1758 London, † 1832.

Mundic, *v.* Pyrites.

Mungo, *v.* Shoddy.

Mungo, St., or St. Kentigern, early missionary in Scot. & Wales, * 514 Culross; fnded. monasteries at Glasgow & St. Asaph, † 601.

Münich, cap. of Bavaria, in prov. of Upp. B., on left bank of ⅄ Isar; 230,000 inh.; cathed., univ., R. Cath. archbprc., ● & ✆ galleries; opt. & ♆ instruments, jewellery, glass, bells, beer.

Municipal Corporations, *v.* Corporation.

Munkacsy, Michael, Hung. ●, * 10/10 1846 nr. Munkacs.

Munro, 1] H. A. J., class. schol., * 14/10 1819 Elgin; edit. Lucretius 64, Hor. 69, Catull. 78, Latin prof. Camb. 69–72, † 30/3 85. **2]** Sir Hector, Ind. officer; suppressed Sepoy Mutny 1764 & won ✕ of Buxar, † 1806. **3]** Sir Thos., Ind. offr. & administr., * 1760; govr. of Madras 1820, † 27.

Munster, the S. prov. of Irlnd., comprsg. cos. of Waterfd., Tipperary, Clare, Limerick, Cork, Kerry.

Münster, cap. ⊙ of Pruss. prov. of Westphalia; 36,000 inh.; univ. & bpric.; hams.

Munster, S., Germ. †, * 1489; Hebr. prof. at Basle, † 1552.

Muntjak, zool., gen. *cervulus*, small deer; 4 specs.; S. Asia; in males the upper canine teeth develop into tusks.

Murad (Amurath) V., 33rd Sult. of Turk., * 1840; suc. Abd-el-Aziz 76, deposed same year, imbecile.

Mursena, ichth., gen. of eel-like fishes; 80 specs.; trop. & sub-trop. seas.

Murat, Joachim, Fr. marsh., * 25/3 1771 Cahors; m. Napoleon's sist., k. of Two Sicilies 1808, lost ✕ Tolentino 2/5 15, fled to Fr., attempted to regain his kingdm. 15, executd. 13/10 15.

Muratori, L. A., Ital. ♛ & ♆, * 21/10 1672 Vignola, † 23/1 1750.

Murchison, Roderick Impey, ⚒, * 19/2 1792 Tarradale; Presdt. of Brit. Assoc. & kntd. 1846, Presdt. of Roy. ☾ Soc. 57–70, bart. 63, † 22/10 71. / "Silurian Syst." 36, "⚒ of Russ. & the Ural ▲s" 45, "Siluria" 54.

Murcia, prov. of S.E. Spain; 4,478 s.m., 452,000 inh. Cap. ⊙, M.; 90,955 inh.

Murder, ✱, killing with malice aforethought.

Mure, 1] Wm., ♛ & misc. /, * 1799 Ayrsh.; Ld. Rector Glasgow 1847, † 60. "Lang. & / of Anct. Greece" 50–7. **2]** Sir Wm., Scot. poet, * 1594, † 1657.

Murillo, Bartolomé E., Span. ●, * /12 1617 Seville; studied und.

Castillo, befriended by Velasquez, fnded. Acad. of Seville, † 3/4 82 from fall from scaffold.

Murphy, 1] A., ⊙ & misc. ✓, * 1729 Elphin, † 1805. 2] Robert, math., * 1806 Mallow, † 43.

Murray, 1] Adolph, Swed. anat. & ✱, * 1750 Stockholm, † 1803. 2] Alex., Scot. † & orientalist, * 1775, † 1813. 3] Sir Geo., Eng. offr. & statesm., * 1772; ed. Marlboro's Despatches, † 1846. 4] Hugh, Scot. ☉, * 1779, † 1846. 5] Thos., Scot. port. ☻, * 1666, † 1724. 6] Lindley, grammarian, * 1745 U.S.A.; settled in Eng., † 1826. ✓ "Eng. Gram." 95. 7] David Christie, nov. & misc. ✓, * 13/4 1847 W. Bromwich. 8] John, publisher, * 1778, † 43. 9] Wm., *v.* Mansfield, Earl of. 10] Jas. Stuart, *v.* Moray.

Murray, ⚓ of S. Austral., risg in Austr. Alps, flowing into G. of St. Vincent, 1,300 m.

Muscle, anat., flesh wh. is contractible. M.s are (1) voluntary, *i.e.*, act in obed. to the will (*e.g.*, those of the arm), striped; & (2) involuntary or automatic, *e.g.*, those used in breathing, unstriped.

Muscular Christianity, †, Chas. Kingsley's term for healthy, rational, robust religion.

Muses, class. myth., the divinities who presided over the arts & sciences, daus. of Zeus & Mnemosyne, born in Pieria, at the foot of Mt. Olympus: Clio, Euterpe, Thalia, Melpomene, Terpsichore, Erato, Polyhymnia, Urania, Calliope (all *q.v.*).

Musgrave, Wm., Ψ & ✱, * 1657, † 1721.

Mushet, Dav., Scot. ⚙, * 1772, † 1847.

Mushroom, ✱, any fungus of gen. *agaricus*, edible or poisonous; specif. *A. campestris*, the common M.; cultivd. M., *A. hortensis*.

Music, orig. any art over wh. the Muses presided; afterwards the science & art of sounds as produced by the human singing-voice & by ♥ instruments. First reduced to a system by the Grks., who recvd. it from the Egyptians. Harmony, as distinct fr. melody, came into use 11th cent. A.D.

Musk, 1] zool., or M. Deer, gen. *moschus moschiferus*, Cent. Asia; male has a pouch containg. perfume. Not of deer tribe, but of family *moschidæ*. 2] Ornith., M. (or Muscovy), Duck, gen. *cairina moschata;* musky colour. 3] Zool., M. Ox, or M. Sheep, *ovibos*, unitg. charatrics. of ox & sheep; Arct. America. 4] M. Rat, or Musquash, N. Amer. water-rat, specif. *fiber zibethicus*.

Muslin, fine cotton cloth: named fr. Mosul, ⊙ of Kurdistan; imprtd. into Eng. 1670, made here 1778.

Mussel, molluscs of var. genera, characterisd. by bivalve shell. Common Sea M.s are of gen. *mytilus*.

Musset, L. C. Alfred de, Fr. poet, * 11/11 1810 Paris, † 1/5 57. "Les Nuits" 35–7, &c.

Mussulman = one who submits = a Mohammedan.

Mustang, zool., a wild horse of the prairies, descended from horses imported at Spanish conq. Amer.

Mustard, ✱, name of sev. specs. of gen. *sinapis*, yielding M.-seed.

Mustie, child of a white & a mulatto woman.

Musurus, C., Turk. pasha, * 18/2 1807 Constan.; amb. to Eng. 51–85.

Muttra, distr. of Agra, B. Ind.; 1,612 s.m., 890,000 inh. Chf. ⊙, M.; 60,000 inh.

Muzaffargarh, distr. of Multan, Brit. Ind.; 2,954 s.m., 300,000 inh. Chf. ⊙, M.; 3,200 inh.

Muzaffarnagar, distr. of Meerut, B. Ind.; 1,659 s.m., 690,000 inh. Chf. ⊙, M.; 11,000 inh.

Muzaffarpur, distr. of Patna, Brit. Ind.; *ca.* 3,000 s.m., 2,300,000 inh Chf. ⊙, M.; 40,000 inh.

Mycenæ, anct. ☉, ⊙ of Argolis, destryd. by the Argives *ca.* 468 B.C.; tombs, &c., discovered 1874–6.

Myine Robt., ⚠, * 1734 Edinb.; built old Blackfriars Bridge, † 1811 London.

Myopia, short sight.

Myriapoda, zool., class of invertebrates; div. into 3 orders, *chilopoda* (centipedes, &c.), *chilognatha* (millipedes, &c.), & *pauropoda*.

Myrrh, aromatic gum-resin wh. exudes fr. *balsamadendron myrrha*, Arabia & Abyssinia; used by anct. Egyptians in embalming.

Myrtle, ♃, gen. *myrtus*, specif. *M. communis*, nat. of Persia.

Myrtle, Minnie, pseud. of Anna C. Johnson, Amer. ✓.

Mysore, nat. State of S. Ind., restrd. to the Maharajah 1881; 20,075 s.m., 5,060,000 inh. Cap. ⊙, M.; 60,000 inh.

Mysteries, 1] †, rude mediæval † dramas, suc. 16th cent. by Moralities, contng. rudiments of a plot. The mystery of Christ's Passion still performed at Ober-Ammergau. *v.* Miracle-Plays. 2] Anct. secret relig. celebratns., esp. among Grks. & Romans.

Mysticism, †, emphasized doctrine of direct intercourse betw. the human soul & God.

N.

N, consont., 14th letter of alph.; a liquid. N = 900; $\bar{N}$ = 9,000. ⚗, N = nitrogen. ⊕, N. = north; N.B. = North Britain = Scotland. N.B. = Lat. *nota bene* = mark carefully. N.P. = Notary Public.

Nabbes, Thos., Eng. ✆ ✓, * 1600, † 45.

Nabob, one who has acqrd. grt. wealth in Ind.; corrupt. of Hind. *nawwáb*, pl. of *náib* = vice-gerent.

Nabonassar, k. of Babylon, 8th cent. B.C. N. era begins with his reign, 26/2 747 B.C.

Nabopolassar, k. of Babylon; revolt. agst. Sardanapalus, † 605 B.C.

Nachtigal, G., Afr. explor. & ✓, * 23/2 1834 Eichstadt, † at sea 85.

Nacre = mother-of-pearl.

Nadir, ✳, 1] the point in the sky directly und. the observer. 2] The point in the Zodiac opposite the sun. Opposed to zenith.

Nadir Shah (Pers. = victorious king), Pers. conqr., * 1688 Abuver, Khorassan; conqd. Afghan., invd. Ind., sacked Delhi, † 25/6 1747.

Nadiya, distr. of Presidency div., Brit. Ind.; 3,421 s.m., 1,900,000 inh. Cap. ⊙, Krishnagar; 28,000 inh.

Naevius, Cneius, Rom. ✕ & ✓, * 270 B.C.

Naga Hills, wild ▲ous district Assam, Brit. Ind.; *ca.* 5,300 s.m., *ca.* 69,000 inh. Chf. ⊙, Samaguting.

Nagar Haveli, Port. settlemt., W. Ind., *ca.* 100 m. N. of Bombay; 60 s.m., *ca.* 40,000 inh.

Nagar, *v.* Bednor.

Nagpur, divsn. of Cent. Provs., Brit. Ind.; includes districts of N., Bhandara, Chanda, Waraha, Balaghat, & Upper Godavari; 24,085 s.m., 2,500,000 inh. District of N., 3,786 s.m., 635,000 inh.; cap. ⊙ N., 85,000 inh.

Naharro, B. de Torres, Span. ✆ ✓ of 16th cent.

Nahum, Heb. proph., *ca.* 720 B.C.

Naiads, *v.* Nymphs.

Nairn, Scot. county, on S. shore of Moray Firth; ✓ & cattle-breedg. 214 s.m., 11,000 inh.; with Elgmsh. rets. 1 M.P. Cap. ⊙, N. (watering-place); 4,500 inh.

Nairne, Baroness, *née* Carolina Oliphant, *alias* "Flowr. of Strathearn," Scot. poetess, * 1776; m. Ld. N. 1800, † 27/10 45. ✓ "Land o' the Leal," "Caller Herrin'," &c.

Naissant, heraldry = walking.

Nala, Hindu myth., a king of Ind.: subject of poetry.

Nalson, John, Eng. † & ♛, * 1638, † 86.

Namur, Belg. ⊙, cap. of prov. of N., at junctn. of ⚓s Meuse & Sambre; 26,000 inh.; cutlery & leather; cathed.; fort.

Nana Sahib, Ind. prince, * 1821; adopted by Bajee Rao (Peishwa of Poonah), succ. him 51, headed Mutiny of 57–8, commtd. massacre of Cawnpur /7 57, deftd. by Havelock /7 57, disappeared, believed to have † 59.

Nancy, Fr. ⊙, cap. of Meurthe-et-Moselle departmt.; 75,000 inh.;

embroidery; univ. & bpric.; surrendered to Germ. in war of 1870.

Nandi, Hindu myth., goddess of joy.

Nandu, *v.* Ostrich.

Nangasaki, or Nagasaki, anct. ⚓ ⊙ of Jap., on W. side of isle of Kiusiu; 48,000 inh.; scientific instruments, &c.

Nankeen, a cotton cloth once imported fr. Nanking; now made in England & exported to China.

Nanking, ⊙ of China, once the cap., *ca.* 100 m. from mouth of ⅄ Nang-tse-kiang; *ca.* 300,000 inh., frmrly. 4,000,000; walls 20 m. round; silk, cotton, paper. Taeping rebels destroyed the Porcelain Tower 3/3 1853; cost £800,000, 15th cent.

Nantes cap. ⊙ of Loire-Inférieure deptmt., Fr., *ca.* 30 m. fr. mth. of ⅄ Loire; 125,000 inh.; wool, cotton, linen, sugar, ships; castle 14th cent., cathed. 15th. Edict of N., favouring Prots., signed here 13/4 1598 by Henri IV.; revoked by Louis XIV. 22/10 1685.

Nanuk, Sikh prophet, * 1469, † 1539.

Naphtha, ?, term for var. mixts. of liq. hydro-carbons, viz., mineral N., coal-tar N., & wood N.

Naphthalene, ?, a solid hydro-carbon, fr. coal-tar, &c.; used in makg. dyes; *e.g.*, N. reds & N. yellows.

Napier, 1] Robt. Cornelis, Bar. N. of Magdala, Brit. genl., * 6/12 1810 Ceylon; Sutlej campgn. 45, 2nd Sikh war 48, Mutiny 57, Chinese war 60, com.-in-chf. Bombay army 65, led expedtn. to Abyss. 67, stormd. Magdala 10/4 68, peerage & pension 68, com.-in-chf. in Ind. 70–6, govr. Gibraltar 76–82, fld.-marshal 82.

2] Sir Chas. Jas., Brit. offr., * 10/8 1782 Lond.; Penins. & Amer. wars, com.-in-chf. Bombay army 41, overthr. Ameers of Scinde 43, govr. of Scinde, com.-in-chf. in Ind. 49, † 22/8 53. **3]** His younger bro., Sir Wm. F. P., ♛ & offr., * 1785; Dan. & Penins. wars, maj.-genl. 41, govr. Guernsey 41–7, † 60. ✓ "Peninsulr. War" 28–40, works on Scinde 45 & 51, Life of his bro. 57. **4]** Cousin of **2** & **3**, Sir Chas. John, ⚓, * 6/3 1786 nr. Edinb.; wars agnst. Nap. I. & Mehemet Ali, Lib. M.P. for Marylebone 40–6, comdr. of Channel Fleet 46–8, of Baltic Fleet 54, M.P. for Sthwark. 55, † 6/11 60. **5]** Macvey, ✍ & edtr., * 1776; ed. *Edinb. Rev.* 1829, 7th edtn. of *Ency. Brit.*, † 47. **6]** Sir Joseph, ✍, * 26/12 1804 Belfast; Att.-Gen. 52, Ir. Ld.-Chanc. 58, † 9/12 82. **7]** Ld. John, math. & †✓, * 1550, † 1617; invtr. of "N.'s Bones," meth. of facilitg. calcultn.; really rods inscribed w. log. tables.

Napier & Ettrick, F. Napier, 9th Ld., statesm., * 15/9 1819; Brit. Min. to U.S.A. 57, Holl. 58, amb. to Russia 60, Prussia 64, govr. of Madras 66–72.

"Napier's Bones," *v.* Napier **7**.

Naples, largest ⊙ of It., cap. of prov. of N., on shore of Bay of N.; 500,000 inh.; macaroni, &c.; cathed., palaces, pub. bldngs., & gardens; univ. 1244; archbpric. ♛: orig. a Grk. col. (Parthenope), divd. into Palæopolis (old ⊙) & Neapolis (new ⊙). Cap. of Two Sicilies 1806, united to Italy 60.

Napoleon, Fr. Emperors: **1]** I. ("the Great"), of Bonaparte (*q.v.*) fam., * 15/8 1769 or 7/1 68 Ajaccio, Corsica; comd. artill. at Toulon 93, genl. 94, comdr.-in-chf. of army in It. 95, m. Josephine (*q.v.*) same year, crushed Austr. & conqrd. It. 95–7, conqrd. Syria & Egypt 98–9, 1st Consul 15/11 99, re-conqrd. It. 1800, 1st Consul for Life 01, issued the Code Napoléon & re-organ. Fr. Admin. 02–3, Emp. 04, k. of It. 05, deftd. Austr. & entered Vienna 05, cr. his bros. Joseph & Louis kings of Naples & Holland 05, overran Pruss. 06, deftd. Russ. & Portug. 07 & made his bro. Jerome king of Westphalia, deftd. Spain & made Joseph k. of Sp. 08, again deftd. Austr. 09, divorced Josephine (no heir) 09, m. Archduchess Maria Louisa of Austr. 1/4 10, invad. Russ. 12, overcome by Eng., Austr., Russ., & Pruss. 13–14, abdictd. 11/4 14 &

retired to Elba, returned to Fr. 1/3 15, deftd. Pruss. at Ligny 16/6, lost Waterloo 18/6, imprisoned at St. Helena, † there 5/5 21; remains removed to Paris 40, placed in Hôtel des Invalides 61. 2] His only son, II., Franç. Chas. Jos., * 20/3 1811 Paris; procl. k. of Rome, aftwds. made duke of Reichstadt, brt. up in seclusn., † 22/7 32 Schonbrunn. 3] His nephew, III., Chas. Louis N., 3rd s. of Louis king of Holl. by Hortense Beauharnais, d. of Empr. Josephine, * 20/4 1808 Tuileries; made attempt on French thr. 36, was shipped off to U.S.A., came to Eng., another attempt 40, sentcd. to life-imprismt. in Castle of Ham, escaped to Eng. 25/5 46, returned to Fr. 48, Presdt. of Repub. same yr., *coup d'état* 2/12 51, Presdt. for 10 years, Empr. by *plebiscite* 4/11 52, m. Eugenie de Montijo (*v.* Eugénie) 29/1 53, jnd. Eng. & Turk. in Crim. War 54, war against Aust. 59, annex. Savoy & Nice 60, occupd. Mexico 63, defeated by Pruss. 70, surr. at Sedan 1/9 70, to Eng. /3 71, † 9/1 73 Chislehurst. / Life of Julius Cæsar, Vindicatn. of Nap. I., &c. 4] Prince Eugène Louis Jean Joseph ("the Pr. Impl."), only s. of Nap. III., * 16/3 1856; entered Woolwich ✕ Acad. 72, kld. in Zulu War 1/1 79.

Nara, Jap. metal-worker, 17 cent.

Naraka, Hindu myth. = hell.

Narbada, divsn. of Cent. Provs., Brit. Ind.; inclds. distrs. of Betul, Chindwara, Hoshangabad, Narsinhpur, Nimar; 17,727 sm., 1,610,000 inh.; ⚓ N.

Narborough, Sir John, Brit. ⚓; vice-adml. 1672, † 88.

Narcissus, class. myth., a beaut. youth, changed into the flower N. for not returning Echo's love. ❀, genus of order *amaryllideæ;* inclds. daffodil (the only specs. indig. to Brit.) & jonquil.

Narcotics, ☠, drugs wh. produce sleep or lull pain. In excess usually cause death fr. coma, in small doses often exhilarate; *e.g.*, opium.

Narcotine, ⚗, alkaloid existing in opium; a narcotic poison.

Nareda, Hindu myth., sons of Brahma.

Nares, 1] Sir G. S., Arct. explr. & /, * 1831 Monmouthsh; comd. *Challenger* scientific expedn. 72–5, comd. *Alert* in N. Pol. expedn. 75–6. 2] E., † & ♛, * 1762; prof. of mod. ♛ at Oxfd., † 1841. 3] Jas., ♥, * 1715; comp. to the k., † 83. 4] Robt., s. of 2, †, * 1758, † 1829

Narses, Byzant. genl., eunuch, * 473; drove Goths out of N. Italy, † in obscurity 568 Naples.

Narsinhpur, distr. of Central Provs., B. Ind.; 1,916 s.m., 345,000 inh. Cap. ⊙, N.; 13,000 inh.

Narvaez, R. M., Span. statesm., * 4/8 1800; drove out Espartero 43, Prime Min. 44–6, 47, 56, 64, 68, † 23/4 68 Madrid.

Narwhal, zool., large whale-like ⚓ mammal, sole spec. of fam. *monodontidæ;* male has huge canine tooth, forming tusk 6 to 10 ft. long

Nary, C., Irish R. Cath. † & ♛, * 1660, † 1738.

Nascent State, ⚗, condition of an elemt at moment of its liberatn. from a compd., when it shows abnormal activity.

Naseby, villg. in Northamp.; ✕ 14/6 1645, Chas. I. deftd. by Fairfax & Cromwell.

Nash, 1] John, surveyr., * 1752 Lond., † 1835. 2] Richd. ("Beau Nash"), leader of fashion at Bath, &c., * 1674, † 1761. 3] Thos., ✆ & satir. /, * 1567 Lowestoft, † 1600. 4] T. R., †, * 1724, † 1811.

Nashville, ⊙ U.S.A., cap. of Tennessee; 45,000 inh.; sevl. ✕s in Civil War.

Nasik, distr. of Bombay, B. Ind.; 7,180 s.m., 690,000 inh. Cap. ⊙, N. (place of Hindu pilgrimage); 23,000 inh.

Nasmith, Jas., Brit. † & Ψ, * 1740, † 1808. /.

Nasmyth, 1] Alex., Scot. landscape ●, * 1758, † 1840. 2] His s.

Jas., ⊕ & ⚒, * 19/8 1808 Edinburgh; invntd. steam-hammer, torpedo ram, &c. 3] Chas., ⚒, * 1825, † 61.

Nasr-ed-Deen, Shah of Persia, * 1829; succ. 48, visit. Eng. 73.

Nasturtium, ❀, gen. of herbs, ord. *cruciferæ;* inclds. water-cress.

Natal, Brit. colony on S.E. coast of Afr., 800 m. fr. C. of G. Hope, discovd. by Vasco de Gama Christmas Day (hence Natal) 1497; coastline *ca.* 150 m., area *ca.* 21,150 s.m., 410,000 inh.; coast regn. hot: sugar, coffee, indigo, arrowroot, ginger, tobacco, cotton; in more elevated regns. cereals, shp. & cattle farmg.; chief expt., wool; bpric. Cap. ⊙, Pietermaritzburg, 50 m. inland; *ca.* 10,000 inh., w. Durban or Port N. for port. Part of Cape Col. till 1856.

Nathan, Isaac, Jew. rabbi of 15th cent.

National Debt, money borrwd. by the Govt. on security of the taxes. In 1688 the Brit. N. D. was £664,263; the chf. addition took place during the Fr. War beginning 1793, whn. loans were obtd. amounting to £601,500,343. Since 1817, when it was £840,850,591, it has been decreasing, & 5/5 87 stood at £736,278,688.

Nationalist, an Irish Home Ruler. *v.* Home Rule.

Nativity, † festival, birth of Christ (25/12).

Natural, ♮, the sign ♮, directing that the note before wh. it stands is not to be flat or sharp.

Natural Philosophy, ∴, the general study of the properties & laws of matter & energy.

Natural Selection, ∴ = survival of the fittest = Darwinism: the doctrine that species have been modified & evolved by the fittest surviving during intense struggle for existence.

Natural Theology, †, the study of the nature & evidences of religion apart from a revelation.

Naturalisation, ⚒, converting into a citizen an alien who has lived in the country & fulfils certain conditions.

Nature Printing, a process which uses as engraved plates impressions of leaves, &c., in lead or other soft metal.

Naunton, Sir Robt., chronicle ✓, * 1563, † 1635.

Nautilus, zool., gen. of molluscs, class *cephalopoda;* only 1 specs., the pearly N (*N. pompilius;* shell ylds. mother-of-pearl), the only living memb. of its class with 4 gills. Distinct fr. Paper N. (*v.* Argonaut).

Navagero, Venetian family, illustr. in 16th cent., † out in 18th.

Naval Reserve, *v.* Navy.

Navarino, ⊙ & bay of Greece, S.W. coast of the Morea; ⚓ ⚔ of N. 20/10 1827 Turk. & Egypt. fleet und. Ibrahim Pasha destyd. by Eng., Fr., & Russ. fleets under Admiral Codrington.

Navarre, prov. of N. Spain; *ca.* 4,000 s.m., 305,000 inh.; formerly part of an indep. kingdom on both sides of Pyrenees; northern part united to Fr. 1609.

Nave, ⚠, main or middle part of a church between the 2 aisles.

Navigators' Islands, *v.* Samoan Islands.

Navy, British, comprises 83,783 offrs., seamen, & boys, made up thus:—Fleet service, 37,467 men, 6,877 boys; coastguard 3,914, royal marines 12,697, ⚓ establishmts. on shore 768, ⚓ reserve 18,271 (recruitd. from mercantile marine), seamen & marine pensioners reserve 2,197, artill. volunteers 1,542. In 1888 136 vessels were in commission: Meditt. station 23, Channel 7, N. Amer. & W. Ind. 14, S.E. coast of Amer. 4, Pacific 8, C. of G. Hope & W. coast of Afr. 9, E. Ind. 12, China 20, Austral. 9, training squadron 4, particular service, &c., 24. Numb. of ironclads 72, 14 obsolete, 8 serviceable for coast defence, 50 for sea-going. France 58: 13, 14, 31; Russ. 39: 18, 2, 19; Germ. 25: 4, 11, 10; Holld. 23: 1, 21, 1; Italy 21: 9, 0, 12; U.S.A. 19: 14, 0, 5;

Norw. & Swed. 19: 10, 8, 1; Turk. 18: 8, 0, 10; Austr. 14: 6, 0, 8; China 12: 7, 0, 5; Brazil 10: 6, 0, 4; Denmk. 9: 4, 5, 0; Spain 6: 5, 0, 1; Japan 6: 2, 0, 4; Argentine 4: 0, 2, 2; Greece 3: 1, 0, 2; Chili 3: 1, 0, 2; Portug. 1: 0, 0, 1.

Nawangar, nat. State of Ind., on S. shore of Gulf of Cutch, in Polit. Agency of Kathiawar; 3,395 s.m., 295,000 inh. Cap. ⊙, N., 85,000 inh.

Nazarenes, †, sect of Judaising Christians, end of 1st cent.

Nazarite, Jew. ♛, one dedicated to God, for life or a definite period.

Neagh, Lough, largest lake in Brit. Isles, in N. of Ireld., 18 m. × 11 m.; outlet ⚓ Lower Bann.

Neal, D., Nonconf. † & ♛, * 1678, † 1743. ✓ "♛ of Puritans."

Neale, J. M., † & ♛, * 1818, † [illegible]

Neander, 1] John A. W., Germ. eccles. ♛, * 16/1 1789 Gottingen; prof. of ch. ♛ Berlin Univ. 1813–50, † 14/7 50; real name David Mendel, wh. he changed for N. (new man) on giving up Judaism. 2] C. F., Germ. † poet, * 1724, † 1802.

Neap Tides, *v.* Tides.

Neaves, Lord Chas., Scot. ⚖ & misc. ✓, * 1800, † 23/12 76.

Nebraska, a central State of U.S.A.; a territ. 1854, a State 67; 75,995 s.m., 455,000 inh.; prairies. Cap. ⊙, Lincoln; chf. ⊙, Omaha.

Nebuchadnezzar, k. of Babylon 604–561 B.C.; s. of Nabopolassar; took Jerusalem 604–5, again 598.

Nebulæ, ✳, misty patches of light, formed by star-clusters or masses of luminous gas; more than 5,000 have been discvd., some composed of many thousand stars.

Nebular Theory, ✳, hypoth. that all suns were orig. nebulous or gaseous matter wh. began to grav. to cert. centres, throwing off rings till a whole system of planets was generated, wh. planets might produce satellites of their own. 1st suggested by Kant & Sir W. Herschel, developed by La Place.

Necessitarianism, ∴, doctrine that everything happens according to fixed laws, so that the human will is not free; fatalism.

Necho, k. of Egypt 610–595 B.C., 2nd of Saite dyn.

Necker, 1] Jacq., Fr. statesm. & financ., * 30/9 1732 Geneva; Louis XVI.'s Fin. Min. 1777–81, † 9/4 1804 Coppet, nr. Gen.; fath. of Mme. de Stael (*q.v.*). 2] His wife, S., *née* Curchod, philanth. & ✓, * 1739 Grassy, † 96.

Neckham, Alex., † & poet. ✓, * 1157 St. Albans, † 1227.

Nectar, Grk. myth., drink of the gods. *v.* Ambrosia.

Nectarine, *v.* Peach.

Ne exeat, ⚖, Lat. = let him not leave; writ to prevent a person fr. leaving the country.

Ne plus ultra, Lat. = no further; to the utmost extent.

Needham, 1] M., Eng. polit. ✓, * 1620, † 78. 2] J. T., R. Cath. †, * 1713, † 81.

Needle-gun, Pruss. breechlder., invntd. 1841 by Dreyse.

Neer, A. van d., ♛, * 1619 Amsterdam, † there 83.

Negapatam, ⚓ ⊙ of Madras, Tanjore distr.; 50,000 inh.

Negro, human race, orig. Cent. Afr., disting. by black skin, woolly hair, flat nose, thick lips, & large feet w. prolonged heels. Transpl. by slavery into U.S., W. Indies, S. Amer., & Mohammedan countries.

Nehemiah, Hebr. proph. ✓, *ca.* 450 B.C.

Neill, 1] J. G., Ind. genl., * 1810, shot at Lucknow 25/9 57. 2] P., Scot. naturalist, * 1776, † 1851. ✓.

Neilson, Lil. A., Shaksp. ✪, * 1850 Saragossa, † 80 Paris.

Nelaton, A., Fr. ⚕, * 17/6 1807, † 21/9 73. ✓.

Nellore, distr. of Madras, B. Ind., on E. coast; 8,462 s.m., 1,380,000 inh. Cap. ⊙, N., 30,000 inh.

Nelson, 1] Horatio, Visct., * 29/9 1758 Barham; ent. ⚓ 70, lieut. 77, post-capt. 79, capt. of *Agamemnon* 93, lost right eye 94, right arm 97, commod. 96, adml. for cond. in ✕ off

C. St. Vincent 97, won ✕ of Nile 12/8 98, peer w pensn of £2,000 a yr. 1800, won ✕ of Copenhagen by defying Parker's orders 2/5 01 & was made viact., seprtd. fr. his w. 01 (havg met Lady Hamilton at Naples), won ✕ of Trafalgar & was kld. 21/10 05; bd. in St. Paul's N. Col, Traf Sq., blt. 43. Peerage transfrd to his bro, Rev Wm. N., w. gift of £100,000 & perpet pension of £3,500. Life by Southey, &c 2] Robt., † & misc. ✓, * 1656, † 1715. "Fasts & Festivals."

Nemea, anct. ○, valley in Argolis where Hercules slew lion & bi-annual games were held.

Nemesis, Grk. myth., goddess of vengeance

Nem. con. = Lat *nemine contradicente* = no one opposing

Nem. dis. = Lat. *nemine dissentiente* = no one dissenting.

Nemours, L. C. Ph. d Orleans, duc de, 2nd s of L Philippe, * 25/10 1814 Paris; refsd crown of Belgium 31, of Greece 32, Regt. of Fr. 42, left Fr. after his f.'s abdicn, m. Vict-Aug.-Ant, duch. of Saxe-Coburg-Gotha, 27/4 40, 4 chldn

Nennius, monk of Bangor, 7th cent. ✓.

Neolithic Age, *v.* Man, Prehistoric.

Neo-Platonists, school of Grk. ✍ finded. at Alexandria 3rd cent., combining Platonism w Christnty. & oriental mysticism.

Nepal, or Nepaul, nat kingdom of Ind., on S Himalaya ⛰s; 54,000 s.m., 2,000,000 inh., tobacco, grains, sheep; Brahminism & Buddhism Cap. ⊙, Khatmandu. ▲ Everest, 29,002 ft., highest in world. War with Brit. 1814-16.

Nepenthe, classical poetry, a magic drink wh. made people forget their sorrows.

Nepenthes, *v* Pitcher Plant, & *Plate* Insectivorous Plants.

Nepos, Cornelius, Roman ✍ of Augustan age (31-14 B.C.), * Hostilia, on ⚓ Po.

Neptune, Rom. myth. = Grk Poseidon, god of the Meditt. Sea, s. of Saturn. ♆, most remote planet in solar syst., 2,760,000,000 m. from sun, around wh. it revolves in 164·6 yrs.; 1 satell; diam 35,000 m; only ⅛th as dense as earth; discvd. 1846.

Nereid, *v* Nymphs.

Nereus, class myth., god of sea.

Neri, Filippo de, R. Cath saint, * 22/7 1515 Florence; finded ord. of Oratorians, † 25/5 95 Rome

Nero, Claud. Cæsar D. Germanicus, 6th Rom Emp., * 37 Antium; Emp. 60; murd. moth., wife, mistress, tutor (Seneca), &c., † by suic. 68.

Nerva, Marc Cocceius, 13th Rom. Emp, * 32 Umbria; suc. 96, † 98.

Nerval, Fr poet & misc. ✓, * 1805, † 57.

Nervous System, the seat of sensatn & intelligence, consisting in higher animals of (1) brain & spinal cord, (2) sympathet. syst. (*v.* Brain & Sympathetic System). Sp. cord composed of white & grey matter, contained in vertebra; grey matter gives off the sp. nerves, wh. communic. w. brain. Sp. cord has also reflex action, influencing the muscles without communicating with brain. The nerves communicate betwn the spinal cord & diff. parts of the body.

Nesbit, Alex, Ψ, * 1672, † 1725 ✓.

Ness, Loch, one of the lakes connect. by the Caled. Canal, Inverness co, 23 m. × 1 m.

Nesse, Christ, Nonconf † ✓, * 1621, † 1705

Nesselrode, C. R, Count, Russ. statesm., * 14/12 1780; at Congr. of Vienna 1814, 15; For. Min. to Alex. I., Nich, & Alex. II., † 23/3 62 St. Petersburg.

Nessus, class. myth., a centaur shot by Hercules with a poisonous arrow, & whose tunic, put on by H., poisoned him; hence "shirt of N."

Nestor, 1] Greek myth., k. of Pylos, chief counsellor of the Grk. capts. at Troy. 2] Earliest Russ. ✍, a monk of Kief, * 1056, † 1116.

Nestorians, †, sect founded by Nestorius (*q.v.*) on doctrine that Christ had 2 distinct natures, Mary being moth. of the human only; still exists in the Levant & Kurdistan.

Nestorius, Syrian †, Patriarch of Constantinople, founder of Nestorians (*q.v*), † 450.

Netherlands, or Holland, kingdom of Europe, W. of Pruss. & N. of Belgium; 12,680 s.m., 4,390,000 inh.; flat, large part of country beneath sea-level, protectd. by dykes; fertile; ⁄, potter's clay, fuller's earth. *Expts.:* butter, cheese, cattle, sheep, refined sugar, flax. Cap. ⊙, Amsterdam (*q.v.*); seat of govt., The Hague (*q.v.*); no estab. relig., *ca.* ⅓rds of pop. belong to Refrmd. Ch.; univs. at Leyden, Groningen, Amsterdam, Utrecht; large colon. possessns., esp. in E. Indies. Navy 120 m.-of-war, army 65,000; reven. & expend. *ca.* £10,000,000 each; debt £90,000. ♛: N. once included Belgium & a N. distr. of Fr., & with Franche-Comté comprised the Circle of Burgundy; in 1579 7 provs. broke away, formg. Repub. of Holland; Louis XIV. conqd. another pt., & remaindr. passd. to Austr. 1714, afterwds. becoming Belgium: Holland became a kingdom 1806; Holland & Belgium were unitd. & restd. to Ho. of Orange 14; Belg. revltd. 30. Govt. a limtd. monarchy.; Parlt. is in 2 chambers (the States-Genl.), the Upp. House havg. 39 membs., electd. by the prov. States, the Low. consisting of deputies.

Nethinim, Jew. ♛, hereditary attendants on the Levites in services of the 2nd Temple.

Netscher, K., genre ●, * 1639 Heidelberg, † 84 The Hague.

Netter, Thos., of Walden, † ⁄, opponent of Wycliffe, * 1380, † 1430.

Nettle, ✱, the gen. *urtica;* 3 specs. indig. to Brit. Great N. used as a green dye & for N.-beer.

Nettle Rash, ✱, skin eruption, generally caused by indigestion.

Nettle-tree, ✱, name of sevl. species of *celtis*, w. leaves like N.-leaves.

Neufchâtel, or Neuchâtel (Germ. Neuenburg), canton of Switzld., on Fr. frontier; 312 s.m., 105,000 inh. Cap. ⊙, N.; 15,000 inh. Lake of N. on E. boundary, 25 m. × 3 to 5 m.

Neukomm, S., Germ. ♥, * 1778, † 1858 Paris. Song, "The Sea."

Neuralgia, ✱, irritation of a nerve, genly. fr. debility: in the head, tic-doloreux; in breast, *angina pectoris;* tonic treatment.

Neuroptera, entom., order of insects with 4 membranous wings traversed by nervures; incl. Dragon & May Flies.

Neusiedler See, a salt shallow lake in N.W. Hung., at foot of Leitha Hills, 22 m. × 5 to 6 m.; no visible outlet.

Neutral Salts, *v.* Salts.

Neva, ⚓, of Russ., 40 m. long, flowing from Lake Ladoga to Bay of Cronstadt.

Nevada, a W. State of U.S.A., E. & N. of California, bounded by the Sierra N. ⛰; a territ. 1861, State 64; ⊕s; 81,530 s.m., 63,000 inh. Cap. ⊙, Carson.

Neville, 1] Alex., poet. ⁄, * 1544; sec. to Archbp. Parker, † 1614. 2] His bro., Thos., †, † 1615. 3] R. G., Lord Braybrooke, ⁄, * 1783, † 1858; discovr. & edit. of Pepys's "Diary."

Nevill, G., † & statesm.; bp. of Exeter, Chanc. 1460, † 76.

Neville, 1] Ralph de, † & ⚜ of 13th cent., archbp. of Canterb. 1231. 2] Hy., Repub. ⁄, * 1620, † 94. 3] Richd., *v.* Salisbury, Earl of.

Nevis, one of Leeward Islands, W. Indies; 45 s.m., 12,000 inh.

New Britain, name of group of isles in Pacif., E. of New Guinea; largest 300 m. long; 12,000 inh.

New Brunswick, prov. Canada, on sh. of G. of St. Lawr.; timber & fisheries; 27,322 s.m., 322,000 inh. Cap. ⊙, St. John; 27,000 inh. ♛: once, with N. Scotia, a Fr. colony (Acadia); 1st colonisd. by Brit. subjects 1761, part of Canada 1867.

New Caledonia, isle of S. Pacif., 700 m. E. of Austral.; 6,500 s.m., 42,000 inh.; a Fr. convict settlemt.

New England, the 6 N.E. States of U.S.A.: Vermont, N. Hampsh., Mass., Maine, Rhode Isld., Connect.; named by orig. settlers.

New Forest, tract of Crown land in S.E. of Hants; 65,000 acres, 100 s.m.; afforested by Wm. the Conqueror.

New Granada, *v.* Colombia.

New Guinea, *v.* Papua.

New Hampshire, a N.E. State of U.S.A.; 1st settled fr H. in Eng; ▲ous, w. fert. valleys; 9,289 s m., 350,000 inh. Cap. ⊙, Concord.

New Haven, ⊙ U.S.A., chf. port of Connect., 75 m. N.E. of N. York; 63,000 inh.; Yale Coll. fnded. 1700.

New Hebrides, islands in S. Pacif., S of Solomon Islands; *ca.* 3,000 s m, *ca.* 200,000 inh.; joint protect. Eng. & Fr. 1888.

New Ireland, isld. in Pacif., E. of N. Guinea, 25 × 25 m.

New Jersey, a N.E. State of U.S.A., on coast of Atlantic & Delaware Bay; 8,320 s.m., 1,140,000 inh.; ▲ous; ⚒ & manfs. Cap. ⊙, Trenton.

New Mexico, territ. of U.S.A., N. of Mexico, ceded to U.S. 1848, a territ. 50; 121,201 s.m., 120,000 inh Cap. ⊙, Santa Fé; Rocky ▲s.

New Orleans, ⚓ ⊙ of U.S.A., cap. of Louisiana; on delta of ⅄ Miss.; 220,000 inh., many Fr & Span; exports sugar & cotton; yellow fever

New Red Sandstone, ⚒, lower divsn of Triassic series (*q.v.*)

New Siberia, uninhab. islds in the Arctic Ocean, off Siberia; *ca.* 20,000 s.m.

New South Shetland, 12 uninhab. islds. in the Antarct. O., most northrly *ca* 600 m. S E of C Horn.

New South Wales, oldest col of Australia, on E. coast, N. of Victoria, S. of Queensland; name given by Capt. Cook 1770 to whole of E. Australia; gold & other ⬘s, timber, sheep-farmg. *Expts.:* wool, tin, copper, tallow, frozen meat. Cap ⊙, Sydney (*q.v.*). *Chf.* ⚓ ⊙*s:* Twofold Bay, Jervis B, Broken B., Port Stephens, Port Hunter. *Chf* ⅄*s:* Darling, Lachlan, Murrumbidgee, Murray, Hawkesbury, & Hunter. Healthy clim; *ca* 1,800 m. of rail, 20,000 m of teleg; 310,700 s m., *ca* 1,000,000 inh. Govr. nom. by Crown; Parliament consists of Legis Counc., nom by Crown, & elective Leg. Assem.; self-govmnt. 1855; gold fnd. 43; convict immigration ceased 40.

New Style, the Gregorian Calendar, adopted in Eng. 1751, when Sept. 3 was made 14th. Old Style, or Julian Cal., still used in Russia. *v* Calendar

New Testament, *v.* Bible

New York, N.E. State of U.S.A., on Canad. frontr., 1st in pop & wlth.; 47,000 s m., 5,100,000 inh.; fert. soil, mnfs Cap. ⊙, Albany (*q v.*); lrgst. ⊙, N Y, on isld. of Manhattan, at mouth of Hudson & East ⅄s, 2nd commrcl ⊙ in world, 1,210,000 inh., or, incldg. Brooklyn & Jersey City (*q v.*), *ca* 2,000,000; impts, expts., & mnfs.; settled by Dutch 1614, & cld Manhat. & N. Amsterd., named N. Y. by Brit. 64.

New Zealand, Brit. colony in the S. Pacific, *ca.* 1,200 m E. of N. S. Wales, inclds N. Isld., 45,687 s.m.; S. or Midd. I., 57,579 s.m; & Stewart I., 1,300 s.m.; total, 104,643 s.m, 580,000 inh., incldg 41,000 Maoris & 5,000 Chinese. ▲ous & volc; pleasant clim, fert soil; sheep-farmg., timber. *Exports:* wool, gold, corn, flour, &c.; 1,654 m. of rail, 10,931 of teleg, rapid progr. since 1840. ⊙*s:* Wellington (cap.), Dunedin, Auckland (cap. till 1864), Christchurch; many lakes, incldg the "Hot Lks.;" eruptn. at Tarawere /6 86. ♛: discovered by Tasman 1642, survyd. by Cook 1769, settled 1814 as part of N.S.W., sep. colony 41, self-govt 52. Maori wars 55–69. Legis Counc. nom. by Crown, & trien. Ho. of Reps.

Newark, 1] ⊙ in Notts, on ⅄ Trent; 15,000 inh.; dvsn. rets 1 M.P. 2] ⊙ of New Jersey, U.S.A., 4 m. fr. mouth of ⅄ Passaic; 140,000 inh.

Newcastle, 1] Margaret, duch.

of, poet. & misc. ✓, * 1624; Maid of Hon. to Henrietta Maria, † 73. 2] T. Pelham Hollis, dk. of, * 1693; twice Premier, † 1768. 3] H.P.F.P. Clinton, 5th dk. of, * 22/5 1811; Ir. Sec. 46, suc. his fath. 51, Colon. Sec. 53, War Sec. 54, resgnd. 55, Colon. Sec. 59–64, † 18/10 64.

Newcastle-on-Tyne, ⊙ of Northumb., 10 m. fr. mouth of ⚓ Tyne; 150,000 inh.; coal, mnfs. of iron, steel, glass, &c.; bpric. 82; rets. 2 M.P.s; connected by bridge with Gateshead (*q.v.*).

Newcastle-under-Lyme, ⊙ of Staffs., on ⚓ Lyme; 18,000 inh.; rets. 1 M.P.

Newcomb, Thos., poet. ✓, * 1675, † 1766.

Newcome, Wm., Irish ✝, * 1729; bp. Waterford, archbp. Armagh, † 1800. ✓.

Newcomen, M., Nonconf. ✝, † 1666. *v.* Smectymnuus.

Newdigate, 1] Sir Richd., ☙, * 1602, † 78. 2] Sir Roger, ✓, & fndr. of N. prize at Oxf., * 1719, † 1806.

Newfoundland, island prov. of Brit. N. Amer., discovd. by Sebas. Cabot 1497; 40,200 s.m., 182,000 inh.; fisheries, ⊕s. Cap. ⊙, St. John's; 23,000 inh. Crown govr., Exec., & Legis. Counc., w. repres. House of Assembly.

NewfoundlandDog, zool., large water-dog; webbed toes; supposed to have orig. in N. Youatt makes it a large spaniel.

Newman, 1] John Hy., ✝ & ♆ ✓, & poet, * 1801 London; class. honours Oxf. 20, holy ords. 24, vice-princpl. St. Alban's Hall 24, tutor at Oriel 26–31, incumb. of St. Mary's 28–43 & chap. of Littlemore, a Tractarian leader 33, resigned St. Mary's 41, sec. to Rome 45, ordnd. priest, head of Oratory of St. Philip Neri at Birmingham 48, rector of R. Cath. Univ. at Dublin 54–8, Hon. Fell. of Trin. Oxf. 77, cardinal-deacon 79; "Apologia" 64, "Dream of Gerontius" 65, "Grammar of Assent" 70, &c. 2] His bro., Francis Wm., ✝ & misc. ✓, * 1805 London; double 1st class Oxf. 26, Fell. of Balliol 26, resigned 30, Latin prof. in Lond. Univ. 46–63; "Phases of Faith" 50, "Dict. of Mod. Arabic" 71, &c. 3] E., naturalist, * 1801 Hampstead, † 76. ✓.

Newmarket, ⊙ on borders of Cambs. & Suff.; 5,500 inh.; races estabd. *ca.* 1667, held in April, May, July, Sept., Oct.

Newport, Geo., anat., * 1803, † 54.

Newry, ⊙ on borders of Down & Armagh, Irlnd., on ⚓ N.; 16,000 inh.; rets. 1 M.P.

Newt, or Eft, zool., pop. name of sevl. specs. of lizd.-like amphibs., salamander fam.: *e.g.*, the great water-N., *triton cristatus*, 6 in. long; & common water-N., *T. punctatus*.

Newton, 1] Isaac, math. & ♃, * 25/12 1642 Woolsthorpe; Lucasian prof. of math. at Camb. 69, M.P. for the Univ. 88, Warden of Mint 96, Master 99, Presdt. of Roy. Soc. 1703, kntd. 05, † 20/3 27: discovd. gravitatn., many of the propts. of light, meth. of fluxions, & imprvd. the telescp. ✓ "Math. Prs. of Natl. ♃," "Opticks," works on ✝, &c.; Life by Brewster, &c. 2] John, ✝ & hymnol., * 1725 Lond.; cur. of Olney 64, rect. of St. Mary Woolnoth, London, 79, † 1807. ✓ "Olney Hymns," Autobiog., &c. 3] Thos., ✝, * 1704 Lichfield; bp. of Bristol 61, dean of St. Paul's 68, † 82. ✓ "Dissertations on Prophecies," &c. 4] Chas. T., class. Ψ, * 1816 Bredwardine; consul at Rome 60, keeper of Grk. & Rom. Ψs at Brit. Mus. 61–85. ✓. 5] John, ✝ & math., * 1622, † 78. 6] Richd., ✝, * 1676, † 1753. 7] G. Stuart, ☻, * 1794 N. Scotia; A.R.A. 1828, R.A. 32, † 35 Chelsea. 8] Anne M., ☻, dau. of Jos. Severn, * 1833, † 66.

Newton's Rings, opt., concentric rings of colour seen when a transparent film is acted on by light; *e.g.*, a soap-bubble.

Ney, Michel, dk. of Elchingen, Pr. of the Moskowa, Fr. marsh., * 17/1 1769 Sarre-Louis, Lorr.; marsh.

1804, in Pruss. campgn 06, subm. to Bourbons 14, joined Napol. 15, shot as traitor 7/12 15.

Ngami, Lake, in interior of S. Afr., 70 × 20 m.; discvd. by Livingstone 1849.

Niagara, ▲ betw Ontario & N. York State, connectg. Lakes Erie & Ontar.; 36 m long, descends 334 ft. 22 m. fr. Erie are the N. Falls, 1 of 154 ft on the Canad. side, the other of 164 ft; susp. bridge 1½ m. below the Falls, 820 ft. in 1 span.

Nibelungenlied, anct. Germ epic celebrtg the fate of the Nibelungen, a Burgund tribe so called because Siegfried, its hero, had taken from a northern race of that name a mass of gold & precious stones (the Nibelungen Hoard).

Nicæa, or Nice, now a village, formerly a ⊙, in Bithynia. Nicene Creed, †, drawn up here at Œcumen Council in 325, another Council 787

Nicaragua, repub of Central Amer, between Honduras & Costa Rica, 51,660 s m, *ca* 400,000 inh; cattle-rearing; ▲ous & volcanic. Lakes N, 110 × 30 to 50 m, & Managua, 40 × 16 m Revenue £678,000, expend. £656,000; impts. £796,000, expts £1,156,000. Cap ⊙, Manag, on Lake M., 9,000 inh; Leon, 25,000 inh.

Niccolini, G B., Ital poet, * 31/10 1785 Pisa, † 20/9 1861 Florence / "Arnoldo da Brescia" 44, &c.

Niccolo, Richd., Eng. poet of 16th cent

Nice, ⊙ of Fr, cap of Alpes Maritimes dept., on plain between Alps & Meditt, 67,000 inh; annex to Fr by vote of inh 1860

Nichol, 1] John, misc /, * 8/9 1833 Montrose; 1st class B A. Oxfd. 59, LL D St Andrew's 73, prof. of Eng. / Glasg 61. "Burns" 82, &c. 2] John P, ▲ & scient /, * 1804 Brechin; prof of ▲ at Glasgow, † 59

Nicholas, 1] Paulovitch, Czar of Russ, 3rd s. of Emp Paul, * 7/7 1796; suc. 25, reactionary policy; war with Persia, Turk., Hung.; Crimean War 54–55, † 18/2 55 2] N V, Pope of Rome, * 1389 Sarzana, pope 1447, † 55; patron of learning

Nicholls, 1] Sir Geo., / on social econ., * 1780, † 1805. 2] Wm, †, * 1664, † 1712

Nichols, 1] John, misc. /, * 1745 Islington, † 1826. 2] His s, John B, misc. /, * 1779 London, † 1863 3] John G., s. of 2, biog. /, * 1806, † 13/11 73.

Nicholson, 1] Jno., Ind. offr., * 1822, in 1st Afghan campaign & Sepoy Mutiny, killed 57 Cashmere. 2] Wm., †, ♛, & Ψ, * 1655; bp. of Carlisle 1702, of Londonderry 27, archbp. of Cashel, † 27

Nick, Scand. myth., a water-wraith.

Nickel, ⚗, a tetrad-metall. elemt. discvd. by Cronstedt 1751; silver-white, malleable, ductile, & infusible, symb. Ni, atom wght. 58·7, spec. grav 8 28 to 8·66; magnet at ord. temps. Sevrl alloys, includg. Germ. silver, 2 oxides, N. protox & N. sesquiox. For N. plating a solution of N sulphate is added to a dilute solution of zinc chloride.

Nicobar Islands, grp. of 20 in B. of Bengal, *ca.* 730 s.m., 6,000 inh; annexed by Ind. Govt. 1869.

Nicol, Erskine, Scot. ●, * 1825 Leith; A.R.A. 66.

Nicolai, 1] C. F., Germ. misc. /, * 18/3 1733 Berlin, † 8/1 1811. 2] Otto, Germ. ♪, * 9/6 1810 Augsburg, † 11/5 49.

Nicolaieff, ⊙ of Eur Russ, in govt. of Kherson; 83,000 inh.

Nicolas, Sir H. N, Ψ & ♛ /, * 1799 Cornwall, † 1848.

Nicoll, Robt., Scot. poet, * 1814, † 37.

Nicotine, ⚗, an acrid pois alkaloid in tobacco-leaves named after Nicot, who in 1560 first sent tobacco-seeds to Fr.; present in tobacco-smoke in small quantity.

Nidhogg, Scan myth, a monster serpent hid in the pit Hvergelmer

Niebuhr, 1] B. G, ♛, * 27/8 1776 Copenhagen, † 2/1 1831 Bonn

/ "♛ of Rome," &c. 2] Carsten, Dan. explr. & ◉, * 17/8 1733 Hanover, † 26/4 1815.

Niel, A., Marsh., Fr. ⚔ ◉ & /, * 4/10 1802, † 13/8 69.

Niello, an ornamental art in metal; lines engraved & filled in with black metal.

Niemen, or Memel, ⅄ of Russ. & Pruss., 630 m., falls into the Kurisches Haff, near Tilsit.

Nièvre, a central dept. of Fr.; 2,682 s.m., 350,000 inh. Cap. ⊙, Nevers; ⅄ N., affluent of ⅄ Loire.

Nigella, ✿, gen. of plants of buttercup family.

Niger, ⅄ of N.W. Afr., risg. in Kong ▲s, N. of Guinea, fallg. into G. of Guinea, 2,500 m.; only partly explored; called the Quorra below Timbuctu.

Night Hawk, or Night Jar, *v.* Goat-sucker.

Night Heron, ornith., the gen. *nycticorax;* not specially nocturnal; only 1 specs. in Europe, wh. sometimes visits Brit.

Nightingale, Florence, Eng. philan., * /5 1820 Florence; went w. 92 nurses to Scutari durg. Crim. War 54, refused testim. of £50,000. / of sanitary works.

Nightingale, ornith., the gen. *philomela;* 2 specs., Europe, W. Asia, & N. Afr.; 1, *daulias luscinia,* visits Eng.

Nightmare (Sax. *mara* = an incubus), or Ephialtes, ✱, a painful dream accompd. by a sense of oppression & helplessness.

Nightshade, ✿, name for sevrl. plants of ord. *solanaceæ,* esp. of gen. *solanum;* includes Black N., Woody N., & Deadly N. *v.* Belladonna.

Nigra, C., Count, Ital. diplom., * 12/6 1827 Castellemonte; Min. Plenipoten. to Fr. & Russ., ambassador to Eng. 82–5.

Nihilists, a secret soc. of Russ. socialists, formed *ca.* 1870, & widely spread among all classes, includg. the army. In 81 they assassd. Alex. II., & demanded univ. suffrage, freedom of the press, &c. Deny all knowledge & all laws, & when asked what they would substitute for present order, reply, *Nihil*—nothing.

Nijni-Novgorod (Lower-N.), ⊙ of Europ. Russ., cap. of govt. of N.-N., 710 m. S.E. of St. Petersburg; 45,000 inh.

Nikita, Prince, *r.* Montenegro.

Nil desperandum, Lat. = let there be no despair.

Nile, ⅄ of Egypt & N.E. Africa, risg. in the Victoria Nyanza (*q.v*), passg. thro' the Albert N. (*q.v.*), issuing from it as the White N., joining the Blue N. (fr. Abyss.) at Khartoum, dividing into two at Cairo, & flowing into the Medit.; 3,300 m. Source discov. by Speke & Grant 1863. Overflows fr. July to Sept., leaving a deposit of fertile mud over nrly. the whole of Egypt.

Nilgiri Hills, distr. of Madras, B. Ind.; 978 s.m., *ca.* 100,000 inh. Cap. ⊙, Utakamand. N. ▲s, fr. 8,000 to 9,000 feet.

Nilometer, instrmt. for measuring rise of ⅄ Nile.

Nilsson, Christine, Swed. ♀ singer, * 8/8 1843 nr. Wexio; *début* at Paris 27/10 64 in *La Traviata,* 1st appr'd. in Eng. 67, m. M. Rouzaud 72, m. Count A. de Miranda & left stage 87.

Nimar, distr. of Cent. Provs., B. Ind.; 3,340 s.m., 215,000 inh. Cap. ⊙, Khandwa.

Nimbus, *v.* Aureola.

Nimes, cap. ⊙ of Gard dept., Fr.; 65,000 inh.; silk & cotton; Rom. remains, includg. Aqueduct.

"Nimrod," *r.* Apperley.

Nineveh, or Ninus, ancient ⊙, cap. ⊙ of Assyria; fnded. *ca.* 2182 B.C. (?); on E. side of ⅄ Tigris, opp. the present Mosul; taken by Cyaxares 606, & fell into ruin; site explored this cent. by Rich, Botta, Layard, &c.

Ningpo, ⚓ ⊙ of Chehkiang, China, 12 m. fr. N. Pacific; 260,000 inh.; opened to Brit. ships by treaty of 1862.

Ninian, St, ✝, apostle of the Picts, 4th & 5th cents.

Ninon de L'Enclos, *v* L'Enclos, Anne

Ninsei, Jap potter, of Kioto, 17th cent

Ninus, legend fndr of Assyrian Emp, said to have marid Semiramis, who poisoned him 1916 B C.

Niobe, Grk myth, dau of Tantalus, & wife of Amphion, k of Thebes; changed into a stone wh shed tears, & her 12 chldrn slain, because she despised Leto, who had only 2.

Niobium, formerly Columbium, ⚗, rare metal element.

Niphon, or Nipon, *v.* Japan.

Nirvana, Buddhist myth, annihilation of personal identity; absorption into the supreme being.

Nisi Prius, ⚖, Lat = unless bef.; phrase orig. used in writs to county sheriffs commdg. attend of jurors at Westmnstr, "unless before" the appointed day the co assizes were held, wh. always happened. Certn. assize-crts still called *N. P.* crts.

Nitrate of Potassium, *v* Nitre.

Nitrate of Sodium, *v* Nitre.

Nitrate of Silver, *v.* Lunar Caustic.

Nitre, or Saltpetre, ⊕ & ⚗, a white salt found as a crust on the soil-surface in the trops, & prepd ⚗-ly by action of nitric acid on potash, when it is nitrate of potassium; also fr. animal matter mixed with ashes & lime, & exposed to air. Contains much oxygen, burns very rapidly, & is used for gunpdr. & fireworks. Cubic N, or Chili saltp, is nitrate of sodium, a white salt wh crystallises in cube-like forms; imported as a manure, &c

Nitre, Sweet Spirits of, ⚗, distld fr alcoh., nitric & sulphur. acids, & metallic copper; ℞, a diuretic

Nitric Acid, or Aqua Fortis, ⚗, a corros liqd, comp of nitrog., hydrog., & much oxyg; prepared for use in the arts by distillg. nitrate of sodium with sulphuric acid.

Nitrite of Amyl, ⚗, a volatile liquid preprd. by action of nitrous acid on amyl alcohol; ℞, for *angina pectoris*, &c., relaxes bld.-vessls.

Nitro-Benzene, *v.* Benzene.

Nitrogen, ⚗, a pentad non-metall elemt. forming ⅘ths of the atmosph, in wh it acts chfly. as a diluent of oxyg; an essent elemt. of nitre & of many anim tissues; is obtnd by burng. phosphorus in a confind. volume. When pure, it will extng fire & suffocate animals: hence called azote Chf. compds.: ammonia & nitric acid With oxyg. it forms a series of oxides, incldg. nitrous-oxide, or laughing-gas, an anæsth in dentistry, &c Nitrous acid & the nitrites differ from nitric acid & the nitrates in containg one atom less of oxyg Symb of N, N, atomic wt 14

Nitro-glycerine, ⚗, oily liquid prepared by adding G to mixt of strong nitric & sulphuric acids; highly explosive. Dynamite is a mixt of N.-G with kieselghur, a light porous silic earth, remains of infusoria

Nitrous Acid, *v* Nitrogen

Nitrous Oxide Gas, *v* Nitrogen.

Nizam's Dominions, *v* Haidarabad

Njord, Scand. myth., gods of winds & waves.

Noakhali, distr of Bengal, B. Ind; 1,852 s m, 950,000 inh.

Noble, old Eng coin = 6s 8d.

Noble, 1] Matt, Eng. ♋, * 1820, † 23/6 76. 2] Mark, Ψ ♂, † 1827.

Noblesse oblige, Fr. = rank imposes obligation.

Nobuiye, Jap. ironworker, 16th cent.

Noctes Ambrosianæ, imag. conversations in *Blackwood* 1822–35 by Prof. Wilson & others.

Noddy, ornith, pop. name for *anous stolida*: so called fr being easily caught; sometimes found off Irish coast.

Nodier, C., Fr. nov. ♂, * 18/4 1780 Besançon, † 26/1 1844 Paris.

Nodes, *v* Orbit in ☊, & Stem in ☋.

Noé, Amédée de ("Cham"), Fr. caricaturist, * 26/1 1819 Paris, † 79.

Noehden, G. H., Ψ & schol., * 1770; libr. of Brit. Mus. & presdt. of Asiatic Soc., † 1826.

Noël, Fr., Xmas Day, or a C. carol.

Noel, Baptist Wriothesley, ✝ & misc. ✓, bro. of 1st E. of Gainsboro', * 1798; ordaind. priest, seced. to Baptists 1848, † 19/1 73.

Noel-Fearn, Hy., misc. ✓, * 1811, † 10/3 68.

Nolan, 1] Irish ✝, * 1784, † 1864. 2] L. E., Eng. ⚔, * 1817; bore the message directg Balaklava charge, in wh. he was killed, 25/10 54.

Nolens volens, Lat. = unwilling or willing; whether he will or not.

Noli me tangere, Lat. = touch me not.

Nollekens, 1] Joseph F., landscape ●, * 1688 Antwerp; came to London, † 1748. 2] His s., Joseph, ●, * 11/8 1737 London; A.R A. 71, R.A. 72, † 23/4 1823.

Nolle prosequi, ⚖, Lat. = unwilling to prosecute; term used when a plaintiff discontinues a suit.

Nolo episcopari, Lat. = I am unwilling to be made a bishop. Official form of refusal.

Nominalism, log. & psychol., doctr. that general notions, such as of "a tree," have no corresponding realities; opposed to Realism, wh. asserts that genera & species are real things indep. of our conceptions. Conceptualism comes between the two. Controversy now obsolete.

Nom de guerre, Fr. = assumed name.

Non compos mentis, Lat. = not of sound mind.

Non est (for *non est inventus*), Lat. = not to be found.

Non obstante, ⚖ = notwithstanding; *i.e.*, notw. any law apptly. to contrary.

Non sequitur, Lat = it does not follow; an inference wh. does not follow from the premises.

Nones, *v.* Calendar, Roman.

Nonconformists, ♛ & ✝, dissenters from the Establd. Ch; term 1st applied to those who refused to obey Act of Uniformity of 1549.

Non-jurors, Eng. ♛, those who refused the oath of alleg. to Wm. III. & his successors.

Nonpareil, a small kind of type. This work is in N.

Nootka Sound, *v.* Vancouver's Island.

Nor, Scand. myth., a giant, fath. of Night.

Nord, most N. Fr. dept.; 2,193 s.m., 1,610,000 inh. Cap. ⊙, Lisle.

Norden, John, misc. ✓, * 1548, † 1625.

Nordenskjöld, N. A. E., Bar., naturalist & explorer, * 18/11 1832 Helsingfors, Finland; discvd. N.E. Passage to Behring's Straits in *Vega* 48, 9. ✓.

Nordhausen Oil of Vitriol, *v.* Sulphuric Acid.

Nore, sandbank at mouth of ⚓ Thames, 50 m. below London. Mutiny of the N. broke out on the war-vessels here 27/5 1797, suppressed 13/6; ringleaders executed.

Norfolk, ⚓ co. of Eng, E. cst.; 2,119 s.m., 450,000 inh.; ✓; rets. 7 M.P.s: N.W., S.W., N., E., S., & Mid Divisions.

Norfolk Island, Brit. isld. in S. Pacific, 400 m. N. of N. Zealand; 14 s.m., 500 inh.; transportatn. ceased 1853.

Norman, ▲, development of Romanesque, followed by Early English; round-headed arches.

Normanby, 1] C. H. P., 1st marquis of, statesm. & misc. ✓, * 1797; govr. Jamaica 1831, Lord-Lieut. Irlnd. 35, Col. Sec. 39, Home Sec. 39–40, amb. at Paris 46, at Florence 54, † 63. 2] His s., G. A. C. P., 2nd marq. of, * 1819; govr. of N Scotia 58–66, Queensland 71–4, N. Zealand 74–8, Victoria 78–84.

Normandy, old prov. in N. of Fr., now divd. into Seine-Inférieure, Eure, Orne, Calvados, & La Manche deptmts.; united to Eng. und. Wm. the Conq., regained by Fr. 1204, reconqd. by Hy. V. 1418, finally lost by Eng. 1449.

Norman-Neruda, Wilhelmine, violinist, * 21/3 1840 Brunn, Morav.;

1st appeared in Eng. 49, m. Ludwig Norman, Swed. ♥, 64.

Nornir, or Norns, Scand. myth., the 3 Fates—Past, Present, Future.

Norris, 1] John, Eng. † ✓, * 1657, † 1711. 2] E., philol., * 1795, † 1872

Norrisian Professorship, †, fnd. at Camb. 1760 by John Norris.

Norroy (North-King), her., King-at-Arms with juris. N. of ⅄ Trent. *v.* Heralds' College.

North, 1] Fredk., Lord, Eng. statesm., * 13/4 1733; Premier 70–82 (during war of Indep.), † 5/8 92. 2] Sir Dudley, statesm., * 1641, † 91. 3] Francis, *v.* Guilford, Lord. 4] John, bro. of 2 & 3, class. schol. & †, * 1645, † 83. 5] Geo., † & Ψ, * 1710, † 72. 6] Roger, misc. ✓, * 1650, † 1733. 7] Sir Thos., class. editor *temp.* Q. Mary. 8] Christopher, *v.* Wilson, John.

North Carolina, a S.W. State of U.S.A.; 50,704 s.m., 1,400,000 inh., many negroes; cotton & rice. Cap. ⊙, Raleigh. ♛: distr. of C. granted by Chas. II. to Ld. Clarendon & others; divd. into N. & S. 1729. N. C. seceded from Union 1861, re-admitted 68.

North Sea, *v.* German Ocean.

North-West Provinces, prov. of Brit. Ind., in upper part of the Ganges plain W. of Bengal, & betw. Himalaya ▲ & bord. of the Central Plateau; includes Agra, Allahabad, Benares, Jhansi, Kumaun, Meerut, & Rohilkhand divsns., with native States of Garhwal & Rampur; 86,528 s.m., upwds. of 33,000,000 inh. Cap. ⊙, Allahabad.

North-West Territory, largest prov. of Canada, from Rocky ▲s to Hudson's Bay, & fr. U.S. frontr. to most N. pnt. of the contnt.; 1,900,000 s.m., 100,000 inh.; inclds. most of Hudson's B. Terr.; furs & ⊕s, rich ⚒ resources. Cap. ⊙, Battleford. Admitted into the Dominion 1870.

Northampton, a Midland Eng. county; 984 s.m., 280,000 inh.; ⚒ & cattle-breeding. Rets. 4 M.P.s: N., E., Mid, & S. divsns. Cap. ⊙, N., on N. side of ⅄ Nen; 60,000 inh.; boots & shoes.

Northampton, S. J. A. C., marq. of, poet. ✓, * 1790, † 1851.

Northbrook, *v.* Baring.

Northcote, 1] Sir Stafford, *v.* Iddesleigh. 2] Jas., ☻ & biog. ✓, * 1746 Plymouth, † 1831.

Northern Lights, *v.* Aurora Borealis.

Northington, Rbt. Henley, Ld., ⚖ & statesm., * 1708; Att.-Genl. & Ld. Keeper 57, Ld. Chanc., Ld. Presdt. of Counc. 66, † 72.

Northumberland, most N. Eng. co.; 2,016 s.m., 450,000 inh.; coal & lead mines, iron & ⚒ works, ⚒. Cap. ⊙, Alnwick; largest ⊙, Newcastle-on-Tyne (*q.v.*). Rets. 4 M.P.s: Wansbeck, Tyneside, Hexham, & Berwick-on-Tweed divs.

Northumberland, Jn. Dudley, dk. of, statesm., * 1502; Protector 49, creatd. dk. 51, had Lady J. Grey procld. Queen ⅊ 53, exec. 22/8 53.

Norton, 1] Hon. Caroline E. S., poet. & nov. ✓, * 1808, grand-dau. of R. B. Sheridan; marr. Hon. G. C. Norton 27, separtd. 30, marr. Sir W. Stirling-Maxwell & † 77. 2] Chas. B. Adderley, Lord, Conserv. statesm., * /8 1814; Presdt. of Bd. of Health 58, Col. Und. Sec. 66–8, K.C.M.G. 69, Presdt. of Bd. of Trade 74–8, peer 78. 3] Andrews, Amer. Unit. †, * 1786 Mass., † 1852. 4] Lady Frances, ✓, * 1650, † 1720. 5] Thos., ☉ ✓, * 1532, † 84.

Norway, *v.* Sweden & Norway.

Norwich, cap. ⊙ of Norfolk & a co. in itself, on ⅄ Wensum; 90,000 inh.; Sax. castle of 6th cent., cath. fnded. 1094. Rets. 2 M.P.s.

Norwich Crag, ⚒, sub-div. of the Pliocene beds, fnd. chfly. nr. N.

Nose, anat., the organ of smell, divid. in the higher anims. into 2 chambs. by a septum of bone & cartilage; sepd. fr. the cranium by the cribriform plate (of bone), perforated for the passage of the olfact. nerves, leading to the brain.

Nosology, ⚕, the classification of diseases.

Nossi Bé, island off N.W. cst. of Madagasc.; acqd. by Fr. 1843, with Mayotta; united pop. 7,500.

Nostoc, ☘, gen. of plts. of simple struct., class *algæ*; 1 Brit. species.

Nostradamus (real name Notre Dame), Michel de, Fr. astrol. & ☤, * 14/12 1503 St. Remi, Provence, † 2/7 66 Salon, nr. Aix.

Nostre (or Nôtre), A. le, Fr. gardener who laid out St. James's & Greenwich Parks, * 1613, † 1700.

Nota, A., Ital. com. ♪ ♩, * 15/11 1775 Turin, † there 18/4 1848.

Notary, or N. Public, in Eng. a pub. officl. who attests sigs. (esp. to documents for forgn. countries), notes & protests bills of exch., &c. In France, &c., he draws up marr. & other contracts, &c.

Note, 𝅗𝅥, 1] mus. pitch of a sound; 2] the sign thereof, of difft. shapes to denote difft. durations.

Nott, 1] Sir W., Brit. genl., * 1782; held Candahar 1841, deftd. Afghans ⚔ of Ghuznee 42, † 45. 2] H.J., Amer. misc. ♩, * 1797, † 1837.

Nottingham, a Midland English county; 822 s.m., 400,000 inh.; manufacts. & ♪; rets. 4 M.P.s: Bassetlaw, Newark, Rushcliffe, & Mansfield divsns. Cap. ⊙, N., also a co., on ⚓ Trent; 115,000 inh.; 3 M.P.s. N. Castle burnt in Reform riots of 1831, restrd. 77–78, now Midlnd. Counties Art Museum.

Nottingham, Earls of, *v.* Finch & Howard of Effingham.

Nova Scotia, a prov. of Canada, S.E. of N. Brunswick; 21,731 s.m., 450,000 inh.; ⚒, fisheries, ♪. Discovd. by G. Cabot 1497 & colon. by Fr., takn. by Eng. 1622, restored 67 & called, w. New Brunswick, Acadia, or New Fr.; finally ceded to Eng. 1714, admtd. to the Dominion 1867.

Nova Zembla, chain of uninhab. islds. in Arct. Ocean, in Russ. govt. of Archangel, sep. fr. mainland by Strait of Vaigatz.

Novalis, Germ. ✍ & poet (real name Fr. Lud. v. Hardenburg), * 2/5 1772 Saxony, † 19/3 1801; "the German Pascal."

Novatians, ✝, followers of Novatianus, presby. at Rome 3rd cent., who refused to re-admit lapsed members.

Novello, Vinct., 𝅗𝅥, * 1781 London, of Ital. parents, † 1861 Nice. 2] His 4th dau., Clara A., vocalist, * 10/6 1818 London; marr. Count Gigliucci 44, retired 60. 3] J. A., s. of 1, 𝅗𝅥, * 1810; settled in Italy 56.

November, 11th mo. of year, 30 days; 9th mo. of Rom. yr., hence name (Lat. *novem* = nine).

Nowell, A., ✝ & class. schol., * 1507, † 1602.

Nowgong, distr. of Assam, B. Ind.; 3,415 s.m., 260,000 inh. Cap. ⊙, N.

Noy, Wm., ⚖, statesm., & ♩, * 1577; Chas. I.'s Att.-Genl., † 1634.

Noyes, J. H., founder of Oneida Free Love sect, * 1811 Vermont, U.S.A., † /5 86.

Nubar Pasha, Egypt. statesm., * 1825 Smyrna; Min. of Pub. Wks. 64, For. Min. 67, Prime Min. 84.

Nubia, country of N.E. Afr., S. of Egypt, N. & W. of Abyss.; conqrd. by Ibrahim Pasha 1822, subj. to Khedive of E. until Soudan rebelln., now und. Mahdi's successor, Abdullah el Taashi; *ca.* 400,000 s.m., 1,000,000 inh., Arabs & negroes. Chf. ⊙, Khartoum.

Nugent, 1] Robt. Craggs, Earl, poet. ♩ & polit., * 1709, † 88. 2] G. N. Grenville, Lord, misc. ♩, * 1788, † 1850. "Memorials of Hampden." 3] Thos., Ψ & Fr. schol., † 1772.

Numa Pompilius, Rom. myth., 2nd k. of Rome, & law-giver.

Numbers, 4th book of the Pentateuch (*q.v.*).

Numidia, anct. ⊙, country of N. Afr., *ca.* ident. w. mod. Algeria; scene of the Rom. war w. Jugurtha 111–106 B.C.

Numismatics, science of coins & medals.

Nummulites (Lat. *nummus* = a coin), flat, coin-shaped fossil foraminifera; *ca.* 50 spec.

Nummulitic Limestone, ⚒, chf bed of the Midd. Eocene, containing many nummulites (*q v*); in parts sevl thousand ft thick Pyramids of Egypt chfly. blt. of it

Nuncio, a special amb. from the pope.

Nuremberg (Germ Nurnberg), ⊙ Bavaria, Up Franconia prov, on ⚓ Pegnitz; 100,000 inh; a free ⊙ till 1805; wooden clocks & toys; Durer's house still preserved

Nut, ♨, a hard, one-celled, one-seeded fruit, genlly. prod fr an ovary of 2 or more cells, with 1 or more ovules in each.

Nutation, 1) ✱, irregularities in movement of the earth's equinoxes & axis 2) ♨, curvatures of the stem without apparent cause.

Nutcracker, ornith, the gen. *nucifraga*, of *corvidæ*, crow fam, esp. *N. caryocatactes;* 1 Europn, 3 Asiatic species

Nuthatch, ornith, fam *sittidæ*, small tree-creeping birds

Nutmeg, ♨, tree of gen *myristica*, nat of the Moluccas

Nux Vomica, ℞, from seeds of *strychnos N. V.;* dyspepsia, paralysis, &c.

Nuzzi, M, Ital. flower ●, * 1603, † 78

Nyassa, lake in interior of Afr, at ft. of ⛰ W. of Mozambique, 300 × 25 m., discvd. by Livingstone 1861.

Nye, Phil., Nonconf. †, * 1596, † 1672.

Nyl-Ghau, or Blue Ox, or White-footed Antelope, zool, large Ind. antelope, *portax picta;* male over 4 ft. high at shldrs, short horns.

Nymphæaceæ, ♨, order of aquat herbs, repres. in Brit by the water-lily; flowers large, regular, naked stalk, 3 to 6 sepals, petals & stamens indef., carpels distinct or coherent

Nympha, Grk. myth, inferior fem. divinities: Nereids, sea-N.s, Naiads, fresh-watr N s; Oreads, ▲ & grotto N.s; Dryads, tree-N s; &c.

O.

O, 15th letter of alph, vowel. O among ancts. = 11; Ō = 11,000. O = 0 = nothing O, ⚗ = oxygen. O' prefixed to Irish prop. names = son. O H M S = On Her Majesty's Service O.K. = Orl Korrect = all correct.

Oak, ♨, the gen. *quercus*, order *cupuliferæ*, 250 species, widely distributed The only O. nat to Brit. is the Common O, *Q. robur*, 2 varieties Gen incld's the Cork O., Spain & S of Fr, the outer part of the bark being cork.

Oaks, race run on last day of Epsom Summer Meeting; orig. 1779, & named after a hunting-box of Lord Derby.

Oakes, J. W, ●, * 1822 near Middlewich; A R.A. 76, hon. R. Scot A 83.

Oakum, old ropes, pulled out into loose hemp, for calking ships.

Oannes, myth., Chaldn. sea-god.

Oat, ♨, pop. name of several specs. of grass, gen. *avena*.

Oates, Titus, informer against R Caths *temp* Chas II, * 1620; took holy ords., was awarded pension for his evidence 84, sentcd to life-impris for perj. 85, compnstd. with pension 89, † 1705 ✓.

Oath, ⚖, a declaratn, w. appeal to God, that the evidence about to be given is true *v.* Affirmation.

Obadiah, Hebr proph. ✓, date unknown

Obbligato, Ital, ♪, an accompaniment wh must not be omitted.

Obelisk, a 4-sided slender stone monument, w. pyramid top, comm. in Egypt. Cleopatra's Needle (68 ft), orig. built at Heliopolis ca 1500 B C., was brought fr. Alexandria by Sir E. Wilson & put up on Thames Embankment 1878

Ober-Ammergau, village of Bavaria, 46 m. S W. of Munich; 1,200 inh. *v.* Mysteries.

Oberlin, J. F., Germ. Luth † & philan, * 31/8 1740 Strasburg, † 1/6 1826 Waldbach.

Oberon, kg. of the Fairies, husb. to Titania, as in *Mid. Night's Dream.*

Obi, 1] syst. of sorcery among W. Indian negroes. 2] ♃ of W. Siberia; rises in Altai ▲s, falls into Gulf of O., inlet of the Arctic Ocean; 2,800 m.

Objective, 1] ⚬, *v.* Subjective & Objective. 2] The object-glass of an optical instrument.

Obligato, *v.* Obbligato.

Oblong, geom., a rectangle with unequal adjacent sides.

Oboe, Hautbois, or Hautboy, ♨, a reed instr. taking the highest register in the reed orchest.; introd. into the Eng. orchest. *ca.* 1720.

Obolus, anct. silver coin & weight of Athens: coin = ⅙ drachma = 1½d.; weight = ⅙ drachma.

O'Brien, 1] Wm. Smith, Irish polit., * 17/10 1803; entd. Parlt. 26, became a Repealer 43, led "Young Ireland" movmt., headed insurr. 48, sentcd. to death, but transp. for life, libratd. 54, pard. 56, † 16/6 64 Bangor; statue in Dubl. 70. ✓ "Principles of Govt." 2] Wm., Irish polit., * 1852; M.P. for Mallow 83, S. Tyrone 85, N.E. Cork 87, impd. und. Coercion Act 87–8; ed. of *United Ireland.*

Obsidian, 1] ⚒, a volcan. rock. 2] ⚗, a double silicate of alumina, lime, magnesia or iron, & the alkalies.

Occam, or Ockham, Wm. of ("the Invincible Dr."), † & ⚬, * *ca.* 1270 Ockham, Surrey, † 1328 Munich. ✓.

Occarina, ♨, a small wind instrument like a closed shell, w. hole for the mouth & others for the fingers.

Occleve (or Hoccleve), Thos., Eng. poet. ✓ & ☻, * 1370, † 1454.

Occultation, ✶, hidg. or coverg. of one heavenly body by another.

Ocean Currents, "rivers" in the sea; some definite & constant, others changeable. The Polar Cs. flow 1 fr. each P. to the equat.; the N. Pol. C. forms the Greenland & the Labrador Cs., the S. Pol. C. forms the Pacif. Equat. C. (lost aft. rounding the C. of G. Hope). At Brazil the Atlant. Equat. C. divds. into two, the Brazil. C. & the Gulf Stream; the latter runs from the G. of Florida to Newfoundland, then divids. into 2, 1 stream coming to N. Eur., the other going to W. Spain & N.W. Afr. The Grt. Equat. C. moves fr. E. to W. in trop. regions. There are also under-C.s moving in directions diff. from those on the surface.

Oceanus, class. myth., god of ♃ O., & fath. by Tethys of the Oceanides = Ocean-nymphs.

Ocelot, zool., *felis pardalis, ca.* size of leopard; grey or tawny, with spots; Amer.

Ochil Hills, range in Scot., between ♃s Tay & Forth; highest summit Bencleugh, 2,350 feet.

Ochino, B., Ital. Reform. †, * 1487, † 1565.

Ochres, ⚗, metall. oxides which occur natly. as ☵s; used as paints.

Ochterlony, Sir D., Brit. genl. in India, * 1758, † 1825.

Ockham, Wm. of, *v.* Occam.

Ockley, S., Eng. ✍ ✓, * 1678, † 1720.

O'Connell, Danl., Irish polit., orator, ♨, * 6/8 1775 Carhen, Kerry; called to bar 98, agit. for Cath. Emancip., wh. his electn. for Clare (1828) brought about, agit. for Repeal 41, sentenced to fine & impt. for seditn. 44, but successfully appealed, lost control of his party, † 15/5 47 Genoa; statue in Dublin 64.

O'Connor, 1] Feargus Edwd., Chart. leader, * 1796 Meath; M.P. for Cork 1832, edit. *Northern Star,* M.P. for Nottingham 47, presented Chart. petition 48, when the movement collapsed, went mad 52, † 55 London. 2] Thos. P., Irish polit. & misc. ✓, * 1848 Athlone; M.P. for Galway 80, Presdt. of Ir. Natnl. League of Gt. Brit. 83, M.P. for Liverpool (Scotld. division) 85–6. "Parnell Movement" 85, &c.

Octagon, geom., a plane figure of 8 sides & 8 angles.

Octahedron, geom., a solid fig. bounded by 8 triangles.

Octave, 1] ♨, intrvl. of an eighth.

2] †, (1) the 8th day, (2) the whole 8 days, following a festival

Octavia, sister of Emp Aug, wife of Claudius Marcellus & then of Mark Antony, who divorced her to marry Cleopatra, † 11 B C Rome

Octavo, *v* Book

October, 10th month of the yr 31 days, the 8th of the Rom year (*octo* Lat = 8)

Octopus, *v* Cephalopoda

Octroi, a duty levied on food at the entrances of Fr ⊙s

O Curry, Eug, Irish Ψ, * 1796 co Clare, prof of Irish ☙ & Ψ in Cath Univ Dublin 1856, † 62 /

Od, Odyl or Ordyle name given by Reichenbach (*q v*) to a natural force wh he *professed to have dis* covered, explaining phenomena of mesmerism, &c He thought it present in all bodies, but developed espec by magnets, crystals, heat, light, ♃ & vital action

Ode, orig a lyric poem to be sung, now any poem of feeling or passion

Odenatus, k of Palmyra husb of Zenobia (*q v*), assassd 267

Oder, ♃, rising in Morav, passg through Germ, & falling into the Stettiner Hoff Baltic, 500 m

Oderic of Bordenone, Francis can missnry in Asia, * 1286, † 1331

Odessa, 4th largest Russ ⊙, on N W coast of Black S, fnded 1792 bombarded in Crim War 21/4 1854, cathed & univ 200,000 inh *Ex ports* corn, tallow, wool

Odin, Scand myth, the chf god, husb of Freya, f of Thor & Balder, 1 eye, identified w Saxon Woden

Odo, 1] St, abbot of Clugny, * 879, † 943 / 2] Bp of Cambria, † / † 1113

Odoacer, Gothic k of It, deftd by Theodoric & assassd 493

Odofredo, Ital jurist, prof at Bologna, † 1265

Odontoglossa, ornith, ord of flamingoes (*q v*)

Odontology, science of the teeth *v* Teeth

Odium theologicum, Lat = ill-feeling of † disputants

O'Donnell, Leop, duke of Tetuan Span ✕ & polit, * 12/1 1809 Santa Cruz, govr of Cuba 44–8, Marsh & War Min 54, Prime Min. 56 & 57, 65–6 † 5/11 67 Bayonne

O Donovan, 1] E, war corresp. & traveller * 1838, to Merv 79, pershd in Soudan w Hicks Pasha s army 83 / "Merv Oasis 82 2] His fath, Jno, Celtic schol, * 1809, † 61 / "Irish Grammar 45, &c

O'Dowd, Cornelius, pseud of Charles Lever

Odyl, *v* Od

Odyssey, Homer s epic describing the adventures of Ulysses (*q v*).

Œcolampadius, J, Swiss Reform †, * 1482 Weinsberg, sided *w Zwingli against Luther* † 21/11 1531 Basle

Œdipus, Grk myth, s of Laius (k of Thebes) & Jocasta unknow*ingly slew his f guessed the riddle* of the Sphinx & saved Thebes, unknowingly mar his moth, tore out his eyes on the truth brg discvd, † in the Grove of the Furies at Colonus

Oehlenschlager, A G, Dan ✆ / & poet, * 14/11 1779 nr Copenhagen † 20/1 1850

Oeland, Swed isld in the Baltic, 86 m long, *ca* 46,000 inh Chf ⊙, Borgholm

Oersted, Hans Christ, Dan ♃, * 14/8 1777 Rudkjobing, † 9/3 1851 Copenhagen, discovs in electromagnetism, &c

Œsel, Russ isld in the Baltic, 80 m long, 50 000 inh

Œsophagus, anat, the gullet *v* Alimentary Canal

O'Farrell, Don G, Span genl. of Irish descent, * 1754 Havana, † 1831 Paris

Offa, king of Mercia 755–96, imposed "Peter s Pence" as a gift to the pope for absolution

Offenbach, Jacq, Germ ♪ ♥, * 21/6 1819 Cologne, settld in Paris, † there 4/10 80 *Gén de Brabant* 60, *Mme Favart* 78, &c

Offing, ♃, a good distance from the shore, out of danger of shoals & driving on lee-shore

Offor, Geo., biog. ✓, * 1786, † 1864.

O'Flaherty, R., Irish Ψ, * 1628, † 1718. ✓.

Ogilby, John, Scot. misc. ✓, * 1600, † 76.

Ogilvie, John, Scot. † & misc. ✓, * 1733, † 1814.

Oglethorpe, J.E., Eng. genl. und. Pr. Eugène, * 1698 London, † 1785.

O'Hara, Kane, ✓, * 1722, † 82.

Ohio, an E. State of U.S.A.: named from ⅄ O., an affl. of the Miss.; org. as a State 1802; fertile, rich in ⊕s; 39,964 s.m., 3,250,000 inh.

Ohm, electro-magnetics, the unit of resistance.

Ohm, G. S., Germ. *physicist*, * 16/3 1787; discovrd. "O.'s law" of electr., prof. of phys. Munich 1849–53, † 7/7 54. ✓.

Oidium, ✱, a vineyard fungus; prob. a form of *erysiphe*.

Oil-Cake, a food for cattle; the residue of flax, rape, or hemp-seed, &c., aft. the oil has bn. expressed.

Oil Colours, ● colrs. ground w. linseed oil for oil painting.

Oil of Vitriol, *v.* Sulphuric Acid.

Oil Palm, ✱, tree of gen. *elæis*, nat. to trop. Afr., but grows in Amer.; fruit yields palm-oil.

Oils, all neutral fatty substances wh. are liq. at ordinary tempratrs. Divd. into (1) volatile or essential, (2) fixed. (1) are obtnd. by distillg. leaves, flowers, &c., with water, & consist of hydro-carbons closely allied to turpentine, w. resins. (2) cannot be distilled without decomposing; are of both anim. & veget. orig.; are composed of glycerine with stearic, palmitic, oleic, & similar acids; & are either drying (wh. solidify und. exposure to air) or non-drying (which do not).

Oise, a N. dept. of Fr., 2,261 s.m., 405,000 inh.; cap. ⊙, Beauvais; ⅄ O.

Ojibways, *v.* Chippeways.

Oka, ⅄ of Eur. Russ.; rises in Orel, falls into ⅄ Volga, 840 m.

O'Keefe, John, Irish ✆ & ✆ ✓, * 1747 Dublin, † 1833.

Oken, L. (real name Ockenfuss), naturalist & ⚗, * 1/1 1779 Bohlsbach, Wurttemberg; prof. of nat. ☙ Zürich 1832–51, † there 11/8 51. Statue at Jena.

Okhotsk, Sea of, inlet of the Pacific, between Russ. Siberia & Kamtschatka.

Okio, Japanese ●, * 1731, † 94.

Olaf, or Olave, St., 1st Christ. k. of Norway, * 995, slain 1030.

Olbers, H. W. M., Germ. ✱ & ✱, * 11/10 1758 nr. Bremen; discvd. Pallas 1802, Vesta 07, O.'s Comet 15, † 2/3 40 Bremen.

Old Catholics, †, Germs. who left the Rom. Ch. 1871 fr. objectn. to Papal Infallibility.

Old Red Sandstone, or Devonian Formation, ⚒, group of beds below the Carbonif & above the Silurian, divid. into Upp., Midd., & Lower Devonian; conglom. sandstone, slate, & schists; charact. by fossil fishes, esp. ganoids & elasmobranchs. Some beds are red, from peroxide of iron.

Old Style, *v.* Calendar, New S.

Oldcastle, Sir John, Ld. Cobham in right of his wife, * *ca.* 1360; embraced Wycliffe's doctrns., burnt 1417 London.

Oldenburg, Germ. Grd. Duchy, comprsg. O. proper (Hanover prov.) & the principlties of Lubeck & Birkenfeld; 2,417 s m., 340,000 inh. Cap. ⊙, O.; 19,000 inh.

Oldfield, Anne, ♀, * 1683, † 1730; buried in Westm. Abbey.

Oldham, John, Eng. satir. ✓, * 1653, † 83.

Oldham, ⊙ Lanca., on ⅄ Medlock, 6 m. N.E. of Manchester; 155,000 inh.; cotton; returns 2 M.P.s.

Oldmixon, John, Eng. poet. & misc. ✓, * 1673, † 1742.

Oldys, Wm., Eng. Ψ & biog. ✓, * 1687, † 1761.

Oleaceæ, ✱, ord. of plants wh. inclds. olives, ashs, lilacs, & privets; oppos. leaves, either simple or compd.; flowers w. sexes genlly. united; calyx genlly. 4 unit. sepals;

corolla 4 unit. petals; usually 2 stamens; ovary 2-celled.

Oleander, ♃, name of *nerium oleander*, common O., & *N. odorosum*, Sweet-scented O.

Olefiant Gas, Ethylene, Ethene, or Heavy Carburetted Hydrog., ⚗, a hydro-carbon compd. of 2 atoms of carbon with 4 of hydrog. It exists with other olefines (*q.v.*) in coal-gas.

Olefines, ⚗, a series of hydro-carbons containing twice as many atoms of hydrog. as of carbon; they combine with the halogens & the haloid acids, & so differ fr. the paraffines. Olefiant gas (*q.v.*) is the 1st member of the series; the higher members are liquids, the highest solids.

Oleic Acid, ⚗, organic acid containing carbon, oxygen, & hydrog., entering into many animal fats & fatty oils, & combining w. glycerine to form olein, a colourless liq. wh. remains fluid at the boiling pnt. of water.

Olein, *v.* Oleic Acid.

Oleomargarin, a substitute for butter, mnfd. in Amer. fr. beef-fat; contains more insoluble fat & casein than butter.

Oleometer, instrumt. for weighing oils.

Oleron, island off W. coast of Fr., Charente-Inférieure departmt.; 19 m. long, 19,000 inh. Chief ⊙, Château-d'O.

Olibanum, arom. gum-resin fr. trees of gen. *Boswellia*, nat. to Ind.; now an incense, formerly ♱.

Oligarchy, a govt. in wh. power is monopolised by a small class.

Oliphant, 1] Mrs. M. (*née* Wilson), nov. & misc. ✓, * 1828 near Musselburgh. "Mrs. Margaret Maitland" 49, "A Country Gentleman" 86, "Waters of Florence," &c.; edr. of "For. Classics for Eng. Readers." 2] Laurence, travlr., nov. & misc. ✓, * 1829. "Piccadilly" 70, "Altiora Peto" 83, &c.

Olive, ♃, gen. of plants typical of ord. *oleaceæ*; *ca.* 30 specs. From the pericarp of the Comm. O., *olea europea*, O.-oil is expressed.

Olivenite, ⊕, a compound of copper w. arsenic acid, generally olive-green.

Oliver, 1] Isaac, Eng. ●, * 1556, † 1617. 2] His son, Peter, ●, * 1601, † 54.

Olivine, Chrysolite, or Peridote, ⊕, a double silicate of iron & magnesium; dark or brownish-green; breaks w. a conchoidal fracture.

Olla Podrida, Span. dish made of mixture of many things; hence, a medley.

Ollier, E., misc. ✓, * 1827, † 19/4 86 London. "♛ of Un. States," &c.

Ollivier, O. E., Fr. statesm. & ✓, * 2/7 1825 Marseilles; Prime Min. 69–70 (when war was declared with Pruss.), mbr. of Fr. Acad. 74.

Olmütz, ⊕ ⊙ of Morav., on ⚓ Marawa; *ca.* 16,000 inh.; cathed. of 14th cent., univ.; several sieges.

Olshausen, H., Germ. † ✓, * 1796, † 1839.

Olympic Games, most famous of anct. Grk. Gs., held every 5th yr. on the Plain of Olympia, Peloponnesus; abol. 394 by the Romans aft. existg. at least 1,200 yrs. Olympiad, a period of 4 yrs

Olympus, ▲ of Gr., betw. Macedonia & Thessaly; 9,750 ft.; in Grk. myth. the abode of the gods.

Om, Hindu myth., solemn form of assent.

Omar, Caliph, discip. of Mohammed, * 581; took Jerusalem, built mosque on site of Temple, conqd. Persia & Egypt, destryd. library at Alexandria, assassd. 644.

O'Meara, Barry, Napoleon's ♱ at St. Helena, * 1786, † 1836 London. ✓ "A Voice from St. Helena." 22.

Omer Pasha (real name Mikail Lattas), Turk. genl., * 1806 Austria; embraced Mohamm. & entrd. Turk. service *ca.* 33, govr. of the Lebanon 42, deftd. Russns. at Eupatoria 17/2 55, retired 69, † 71.

Omphale, class. myth., queen of Lydia, whom Hercules served as slave for 3 yrs.

Onager, zool., the wild ass of Asiatic deserts, *equus O.*

Onagraceæ, ✿, widely-distrib. ord. of plants, mostly herbs; incldg. willow-herbs, fuchsias, & evening-primroses.

On dit, Fr. = some one says.

Onega, lake of Europ. Russ., the 2nd largest in Europe, connected w. Ladoga, the largest, by ⚓ Svir; 3,800 s.m.

Onion, ✿, name of var. specs. of gen. *allium*; acrid taste & smell due to a sulphur. volat. oil.

Onomatopœia, rhet., formatn. of words in imitation of sounds; *e.g.*, *hiss.*

Ontario, 1] prov. of Canada, formerly Upp. Can. or Can. West, N. of 2; 181,000 s.m., 1,925,000 inh.; fertile, timber, ⚒s, petroleum. Cap. ⊙, Toronto (*q.v.*). 2] Lake O., betw. U.S.A. and Canada; 7,600 s.m.; connectd. w. Lk. Erie by ⚓ Niagara, issues on N.E. in ⚓ St. Lawrence.

Onus probandi, ⚖ & logic, Latin = the burden of proof.

Onyx, ◆, var. of agate with the layers in straight parallel bands.

Oolitic Formation, ⚒, group of secondary rocks above the Lias & below the Neocomian; highly fossilif. beds of limestone, sandstone, & clay. Div. into Upper O. (incldg. Portld. Stone & Kimmeridge Clay), Midd. O. (Oxford Clay), & Lower O. (Bath Stone).

Opah, or King-fish, ichth., nat. name of marine spec. of fam. *coryphænidæ.*

Opal, ◆, a var. of silica with a vitreous lustre & no crystall. structure, half or wholly transpt., used in jewellery. Some are opalescent, *i.e.*, show a play of colrs. Hardness 5·5–6·5, specific gravity 1·9–2·3.

Open Sesame, charm wh. opnd. door of robbers' cave in "Arabian Nights."

Opera, ♪, a musical drama; parts set in airs & choruses.

Opera-glass, a short binocular telescope.

Ophicleide, ♪, the largst. metal instrmt. in the orchest., 8 octaves in compass; supersed. the "serpent."

Ophidia, *v.* Snake.

Ophiocephalidæ, ichth., fresh-water fam., 2 gen. (*ophiocephalus* & *channa*), 26 specs.; Oriental ⚓s; terrestrial as well as aquatic.

Ophioglossæ, ✿, sub-order of plants, ord. *filices* (ferns), repres. in Brit. by 2 specs., adder's-tongue & moonwort.

Ophistocomi, *v.* Hocco.

Ophthalmia, ✚, inflam. of eye.

Ophthalmoscope, ✚, instrumt. for examing. inter. of the living eye.

Opie, 1] John, ♛ & port. ☻, son of a carpenter, * 1761 near Truro; A.R.A. 86, R.A. 87, R.A. Prof. 05, † 9/4 07 Lond; burd. in St. Paul's. 2] His 2nd w., Amelia, nov. & poet. ✓, * 1769 Norwich, † 1853.

Opitz, Martin ("Father of Germ. Poetry"), * 23/12 1597 Bunzlau, † 20/8 1639 Dantzic.

Opium, ✚, dried juice of the unripe head of the white poppy, cultiv. in Egypt & the East; contains water, gum, resin, meconic acid, & alkaloids, incldg. morphine, narcotine, codeine, narceine, thebaine, & papaverine. Morphia is extracted pure; laudanum is O. dissolvd. in dilute alcohol. In large doses O. is a strong poison. Taken as a stimulant, espec. in the East. Chief uses anodyne & narcotic.

Opodeldoc, or Soap Liniment., ✚, soap, camphor, & oil of rosemary dissolved in dilute alcohol.

Oporto (Portug. = the Port), 2nd ⊙ of Portug., Minho prov., 2 m. fr. mouth of ⚓ Douro; 110,000 inh.; cathed.; expts. wine. The ancient *Portus Calensis.*

Opossum, zool., an Amer. fam. of pouched mammals, *didelphidæ*; size from a mouse to a large cat; long prehensile tail.

Oppert, J., orientalist, * 9/7 1825 Hamburg; settled at Paris, explored Mesopotamia. ✓.

Oppian, Grk. poet, * ca. 200.

Opposition, 1] the party which

opposes policy of govt. in power. 2] ☍, a position of any heavenly body in opposite meridian to another.

Optative Mood, gram., esp. in Greek, mood expressg. desire.

Optic Nerve, *v.* Eye.

Optics, science of vision & of the phenomena of light. The Emission Theory, that a lumin. body emits particles of matter wh. strike the eye, has been supersed. by the Undulatory Th., that the molecules of such bodies are in a state of vibration, & communicate to the nearest particles of ether (*q.v.*) a motion wh. is passed on to other particles until the wave reaches the eye.

Optimism, ⚭, Liebnitz's doctr. that everything that happens is for the best.

Opus operantis, Lat. = the work of the worker: †, the Prot. view that a rite is effic. because of the dispositn. of the subject of it. *v.* Opus operatum.

Opus operatum, Lat. = the work done: †, the Rom. view that grace is conferred by the rite itself.

Oraché, ⚘, plts. of gen. *atriplex*, goose-foot family; incls. the Garden O., seeds of which are emetic & purging.

Oracle, 1] orig. a supposd. supernatural communication fr. divine beings. Hence, 2] places where such were supposed to be delivered, as the O. of Apollos at Delphi. 3] The Scriptures. 4] A wise man. 5] A wise saying.

Oran, ✠ ⊙ of Alger., cap. of prov. of O., 220 m. S. of Algiers, taken by the Fr. 1830; 40,000 inh.

Orange, ⚘, certain specs. of gen. *citrus*, strictly *C. aurantium*, comm. or sweet O. O.-flower water, ⚘, & essence of Neroli, used in Eau de Cologne, are distlld. fr. the Seville or bitter O.

Orange, ⊙ of Fr., Vaucluse departmt.; 7,000 inh.; fr. 11th to 16th cents. cap. of a small principality wh. gave its name of O. to the roy. family of Holland, & was ceded to Fr. 1713.

Orange, Princes of: 1] Wm. I. ("the Silent"), ✶ 1538; dfnd. Netherlands agst. Spain, effected union of the States, assassd. 84 Delft. 2] His s., Maurice of Nassau, ✶ 1567 Dillemburg; appointed Stadtholder of Holld. 87, successfly. opposd. Spain, † 1625 The Hague. 3] Fredk. Hy. of Netherlds., bro. of 2, ✶ 1584; suc. him 1625, captd. Venloo, Stadtholder of Groningen 40, † 47. 4] Wm. II., s. of 3, ✶ 1626; suc. him 48, mar. eld. dau. of Chas. I. 41, † 50. 5] Wm. III., *v.* Wm. III.

Orange River Free State, repub. of S.E. Africa, betwn. the 2 head-streams of the O. ⚓; 42,000 s.m., 135,000 inh., half of Dutch descent, the rest colrd.; ⚒ & prec. stones. Cap. ⊙, Bloemfontein; 3,500 inh. Reven. & expend. *ca.* £185,000; imports & exports *ca.* £2,000,000. ♛: first settled by Dutch ⚒'s fr. Natal, who decld. their ind., wh. was recog. by G. Brit. 1854.

Orangemen, associatn of Prot. Irishmen named after Wm. III., formed 1795, suppress. 1836 for disloyalty, revived 45.

Orang-outang, zool., large anthropoid ape, over 4 ft. high, huge projectg. jaws, long arms; Sumatra & Borneo.

Oratorio, ♪, a sacred drama set to musical airs & choruses; generally taken from Scripture.

Orbit, 1] ☄, the path of a planet round the sun, always an ellipse. The earth's O. is called the ecliptic; the plane of the eclip. is supposed to pass through the earth's O. & be extnded. indefin.; the 2 pnts. at wh. the O. of a planet cuts the plane of the eclip. are the nodes, descndg. & ascndng.; the straight line uniting the 2 is the line of the nodes. *v.* Apsis. 2] Path of any hevnly. body.

Orcagna, A., ☉, ☻, & ⚙, ✶ 1329 Florence, † 89.

Orchardson, W. Q., ☻, ✶ 1835 Edinb.; A.R.A. 68, R.A. 77.

Orchha, nat. State of Bundelkhand, Ind.; *ca.* 2,000 s.m., 200,000 inh. Cap. ⊙, Tehri.

Orchideæ, ✿, large ord. of plts., includg. all the orchids; widely distributed in both hemisphs. *v.* Orchis.

Orchis, ✿, gen. of ord. *orchideæ* (*q.v.*); 10 Brit. specs.

Orcin, ⚗, a substance in certain lichens wh. und. the action of ammonia & oxygen becomes orcein, a deep red colouring matter.

Ordeal, ⚒, anct. form of trial in which issue was ascribed to God; as by the accused escaping danger from fire, boiling water, &c. Trial by ⚔, after certain ceremonies, was also considered an ordeal.

Order, zool. & ✿, a group of related families, made up of genera.

Orders, 1] ▲, *v.* Architecture & *Plate.* 2] Honry. distintns. conferd. by a prince or other authority. The O. of the Garter was instituted 1348 by Edwd. III., Bath 99 by Hy. IV., Thistle 1687 by Jas. VII. of Scot. (Jas. II. of Eng.), St. Patrick 1783, SS. Michl. & Geo. 1818, Vict. Cross 56, Star of Ind. 61, Vict. & Albt. 62, Ind. Crown 77. *v. Plate.* Among Continent. O.s are—France: Legion of Hon. 1802; Pruss.: Black Eagle 1701, Red Eagle 05, Pour le Merite (✕) 40, Iron Cross 1813, Crown 61; Russ.: White Eagle 1325, St Andrw. 1698, St. Catherine 1714, Red Cross 1878; Turkey: Medjidii 1852, Osmanje 61. 3] ✕ † O.s, estabd. orig. to protect & aid pilgrims to the Holy Land. Chf. O.s are—Knights Hospitallers, K.s of St. John, or K.s of Malta, founded at Jerusalem 11th cent. by merchts. of Amalfi, & still existg. on a small scale; K.s Templars, fnded. Jerus. 12th cent., suppresd. 1312 (*v.* Molay); Teutonic K.s, or K.s of St. Mary, founded aft. siege of Acre 1192 for benefit of Germ. Crusaders, suppressed by Napol. 1809. 4] †, offices of the ministry; in Rom. Ch. divid. into (1) Major: bp., priest, deacon, subdeacon; & (2) Minor: acolyte, exorcist, lector, ostiarius. In the Grk., Coptic, & Nestorian Chs., the O.s are bp., priest, deacon, subdeacon, reader; in the Anglican, bp., priest, deacon.

Orders in Council, decrees issued by the Sov. und. advice of the Privy C. really of the Ministry.

Ordericus Vitalis, Norm. chron. ✓, * 1075, † 1142.

Ordinate, a straight line of def. length drawn fr. another straight line, wh., w. a line similarly drawn at right angles from another line (called a co-ordinate), determines a point in some curve.

Oregon, State of U.S.A., on Pacif. coast; 96,030 s.m., 180,000 inh.; ▲s, forests, fert. valls., ⚙s; a territ. 1848, a State 59. Cap. ⊙, Salem.

O'Reilly, H., Ir. ⚒ & ♛, † 1694.

Orellana, *v.* Amazon.

Orelli, J. K., philol & class. edr., * 13/2 1787 Zurich, † 6/1 1849.

Orense, prov. of Sp., N. of Port.; 4,058 s.m., 390,000 inh. Cap. ⊙, O.; 11,000 inh.

Ores, Metallic, ⚙s from which metals are extracted by smelting, &c. They occur in layers & in hollows, but mostly in lodes. *v.* Mineral Veins.

Orfila, M. J. B., ⚗ & ✿, * 24/4 1787 Minorca, † 12/3 1853 Paris. ✓ "Poisons" 13.

Organ, ♪, the largest wind instrument, consisting of pipes of wood & metal, varying from a small number to 10,000. The largest in Eng. are those at the Albert Hall (125 stops), St George's Hall, Liverpool (110), Alexandra Palace (104).

Oriani, B., Ital. math. & ✈, * 1762 near Milan, † 1833.

Oriel Window, *v.* Bay Window.

Oriflamme, the anct. Fr. royal banner, orig. standard of St. Denis.

Origen, †, the grtst. Grk. Father, * 185 Alexand.; driven to Cæsarea 231, thence to Tyre, suffrd. in Decian persectn. 250, † 254 Tyre; prolific ✓.

Original Sin, †, corruption inherited from Adam.

Orinoco, ⚓, of S. Amer.; rises in Parima ▲s, falls into Atlantic nr. Trinidad; 1,500 m., 8 m. wide 560 m. from its mouth.

Oriole, ornith., the fam. *oriolidæ;* 40 specs., 1 of wh (the Golden O.) visits Eur. Name also of several American birds of family *icteridæ,* Hang-nests.

Orion, Greek myth, a giant & hunter, slain by Artemis. ✱, constell. containg *ca.* 100 stars vis. to the naked eye; in the centre are 3 in a line, of 2nd mag., "O. s belt," two are of 1st mag.

Orissa, divsn of Bengal, Brit. Ind., includes districts of Balasor, Cuttack, Puri, & hill States, 28,901 s m, 4,820,000 inh. Chief ⊙, Cuttack

Orkney & Shetland Islands, Scot. county. Of the O s 29 are inhab. (610 s m., 32,087 inh); of the S s, 23 (925 s m, 29,709 inh) fisheries; ret. 1 M.P.

Orléans, ⊙ of Fr., capital of Loiret dept., on ⅄ Loire, 60,000 inh., mnfs., cathed, Joan of Arc s house. Gives name to royal house of O, of which the Bourbons are the chief branch.

Orléans, Dks. of 1] Philippe II, * 2/8 1674; m Mlle. de Blois, dau of Louis XIV., Regent of Fr on L 's death, † 23. 2] Louis J. Phil., father of k. Louis Phil, cous of Louis XVI., * 13/4 1747, favrd the Rev., voted for L.'s death, assumed title of "Égalité," guill. 6/11 93. 3] F. P. L, duc d', eldest son of Louis Phil., * 3/9 1810, † 18/7 42.

Orloff, 1] Gregori, Russ statesman, a leader of the revol. in favr. of Cath II., * 1734, † 24/4 83 Moscow. 2] Alexis, Russ ✕ & ⚓, * 1736; adml. 68, dftd. Turks at Tschesme, † 5/1 1809 Moscow. 3] Alex. F., Russ. diplom., * 1788; negotiated Treaty of Paris 1855, † 61

Orme, 1] Robt., Eng ♛ of Ind, * 1728, † 1801. 2] Wm., Nonconf. † & biog. ✓, * 1787, † 1830.

Ormolu, brass wh contains so much copper as to look like gold.

Ormond, Jas. Butler, duke of, Eng statesm., * 1610 Lond.; thrice Lord-Lieutenant of Ireland, † 88.

Ormuzd, Pers. myth., principle of good *v.* Ahriman & Zoroaster.

Orne, a N. dept. of Fr.; 2,354 s m, 380,000 inh Cap. ⊙, Alençon; ⅄ O.

Ornithology, branch of zool. dealing with Birds (*q.v.*).

Oromasdes, Pers. myth, 1st god of Zoroastrian trinity.

Orontes, anct name of chf ⅄ of Syr, rises in Anti-Libanus ▲s, falls into sea at ft of ▲ Pieria, 250 m, now the Nahr-el-Asi.

Orosius, Paulus, Span. ♛ of 5th cent, whose Univ. ♛ was translitd. from Latin by King Alfred.

Orpheus, Grk myth., ♞, poet, & hero, who with his lyre charmed all living things; husb. of Eurydice.

Orpiment, ⊕, a sulphide of arsenic, comp of 2 atoms of arsenic w 3 of sulphur, a brilliant yellow: used in ⊕ as "King s Y."

Orrery, ✱, apparatus wh. represents the relative motions of the heavenly bodies, invented by Chas. Boyle (*q v.*).

Orsay, Alf., Comte d', man of fashn., * 1798 Paris, settled in Eng, followed Louis Nap. to Paris as his adviser, † 1852.

Orsini, F., Ital revol, * 5/12 1819 Meldola, to Eng. 49, attempted life of Nap III. 14/1 58, exec. 13/3.

Ortelius, A, ⊙, * 1527 Antwerp, † 98

Orthoceras, ⚒, gen. of straight, horn like fossil shells, chiefly in Silur, Devon, & Carbonif formatns.

Orthoclase, *v.* Felspar

Orthoptera, entom, order wh. includes locusts, crickets, cockroaches, &c, mastic. mouth, genlly. 4 wings, the anter. pair leathery, w. many nervures, the poster pair, or wings proper, membranous.

Ortolan, ornith., *emberiza hortulana,* Eur. & W. Asia; resembles yellow-hammer

Orton, Job, Nonconf †, Doddridge s biogr., * 1717, † 83.

Ortyx, *v.* Virginian Quail.

Osborn, 1] S., Brit adm & Arctic expln, * 25/4 1822, † 6/5 75. ✓. 2] Franc, musc ✓, * 1589, † 1658.

Osborne, 1] Ld Syd. Godolphin ("S. G O."), philanth. & ✓, * 1808. "Scutari & its Hospitals" 55, &c.
2] F, ♛ & polit ✓, * 1589, † 1659

Oscar, *kings of Sweden.* **1]** I., s of Chas. XIV, * 4/7 1799 Paris, m. Josephine, dau of Eug de Beauharnais, suc 1844, † 8/7 59. **2]** His s, II., * 21/1 1829; m. Pess Sophia of Orange-Nassau 57, suc. his bro., Chas. XV., 72, to Eng 81. ✓.

Osgood, Saml., Amer. † & statesman, * 1748 Andover; 1st Comsr. of Treas 85, Postm.-Genl, † 1813.

Osier, ✱, name of sevl. willows cultivd for basket-making. Common O, *salex viminalis.*

Osiris, Egypt myth, k. of E, & husb. of Isis (*q v*), murd by his bro. Typhon, when he bec chf god.

Osman Digna ("Blackbeard"), Arab chf., * *ca.* 1836; slave-trader, Mahdi's lieut. 83, deftd. by Abyss. force 0/9 85.

Osman Pasha, Turk ⚔, * 1832 Tokat; deftd Servians & made fld-marsh 76, held Plevna July–Dec. 77, War Min. 78–80, 81–5.

Osmium, ♁, rare metal always fnd assocd. w platinum; forms osmic acid, a poisonous oxide.

Osmose, Osmosis, the passage of gases & liqs. through artif. membranes of india-rubber, &c.

Osmund, †, neph. of Wm the Conq.; bp. of Salisbury, blt Salisb. cathed., † 1099 Compiled "Use of Sarum."

Osmunda, *v.* Royal Fern.

Osprey, or Fish-hawk, ornith, bird of prey, *pandion haliaetus;* feeds mostly on fish clutched when on the water's surface.

Ossa, *v.* Pelion.

Ossian, Celt warrior-bard of 3rd cent., s. of Fingal. *v.* Macpherson, James.

Ossington, J B Denison, Visct, polit, * 1800; Speaker 57–72, peer 72, † 7/3 73.

Ossoli, S Marg Fuller, March., Amer. misc. ✓, * 1810 Cambridge, Mass; started *Dial,* visited Europe 46, mar marq. O 48, drowned on way home 50. "Women in 19th Cent" &c.

Ossory, Thos Butler, earl of, Royalist genl, * 1643, lieut.-genl of *Irish army,* † 80.

Ostade, 1] A v, Dutch ●, * 1610 Haarlem, † 85 **2]** His bro., Isaac, * 1621, † 16/10 49

Ostend, 2nd ⚓ ⊙ of Belgium, W. Flanders prov; 18,000 inh.

Osteology, anat, science of bones. *v* Bone.

Ostracism, mode of proscriptn. in anct. Gr; name of the obnoxious person written on a shell.

Ostrich, ornith., fam. of order *struthiones;* 2 gen (1) *struthio,* true Ost, N E. & S. Afr., Arabia, Syria; (2) *rhea,* S Amer (1) are gregar & polyg., 2 toes, a tail; (2) are smllr, 3 toes, feathered head & neck, no tail visible.

Osuguino, Jap. hetaira & poet. ✓, 17th cent.

Oswego, ⊙ of U.S A., on Lake Ontario, at mouth of O. ⚓; 21,000 inh; exports O. flour.

Oswiecim, *v.* Auschwitz.

Otago, a prov distr of New Zealand, the most southerly part of S. Islnd., settled 1848 by membs. of Free Ch. of Scot; ✓ & gold-⚒; ca 24,000 s m, 120,000 inh.

Otaheite, *v* Society Islands

Otaria, *zool*, gen. of ⚓ carniv. anims., incldg Sea-lion (*q.v*) & fur seal

Othman (or Osman) I., surnmd. Al-ghazi, "the Victorious," fndr. of the Ottoman Emp. (named after him), * 1259 Sukuk, Bithyn., † 1326.

Otho, *Germ. Emps.:* **1]** I., or the Grt., * 912, Emp. 36, † 7/5 73 **2]** His s, II., * 955; suc. 73, † 7/12 83 Rome. **3]** III, s. of **2**, * 980; suc. 83, † 23/2 1002 Italy. **4]** I. of Greece, s. of Louis I. of Bavar., * 1/6 1815 Salzburg; k. of Gr. 32, dethr. 62, † 26/7 67 Bamberg.

Otis, Jas, Amer. ⚒ & polit, * 1724; agt. for Amer. indep., † 83.

Otium cum dignitate, Lat = leisure with honour.

Otranto, Strait of, connects the Adriatic with the Mediterranean. Terr. of O., S.E. Italy, is now Lecce.

Otranto, Duc d', *v.* Fouche.

Ottawa, cap. ⊙ of Canada, on ⚓ O, incorp. 1854, made the cap. 58; 35,000 inh.

Otter, zool., gen. *lutra*, esp. *L. vulgaris*, the comm. O., now wholly extinct in Eng. ⚓s.

Ottley, W. Y., Eng. art ✓, * 1772, † 1836.

Otto of Roses, *v.* Attar of Roses.

Ottoman Empire, *v.* Turkey.

Otway, 1] Thos., ✆ ✓, * 3/3 1651 nr. Midhurst, † 14/4 85 London. *Orphan* 80, *Venice Preserved* 82, &c. 2] Cæsar, ✓ on Ireland, † 1842.

Oudenarde, ⊙ of E. Flanders, Belg.; 8,000 inh.; ⚔ 11/7 1708, Fr. deftd. by Marlboro'.

Oudh, prov. of Brit. Ind., und. a Chf. Comsr. who is also Lieut.-Govr. of the N.W. Provs.; includes Lucknow, Sitapur, Faizabad, & Rai Bareli divisions; 23,992 s.m., 11,500,000 inh.; annexed 1856. Cap. ⊙, Lucknow (*q.v.*).

Oudinot, 1] C. N., Fr. marsh., * 25/4 1767; deftd. Austr. at Ostrolenka 1807, Russ. at Frieldland 07, created dk. of Reggio 09, occupied Holl. 10, † 13/9 47. 2] His s., C. N., dk. of R., ⚔, * 3/11 1791; commanded army sent to restore Pius IX. 49, retired 51, † 7/7 63.

Oughtred, Willm., Eng. † & math., * 1573, † 1660.

Ouida, pseud. of Louise de la Ramée, Eng. nov. ✓ of Fr. extract., * 1840 Bury St. Edmunds; "Moths" 80, "A House Party" 86, &c.

Ouless, Walter Wm., ●. * 21/9 1848 St. Helier; A.R.A. 77, R.A. 81.

Ounce, *v.* Pound.

Ounce, zool., *felis uncia*, the snow leopard; Himalaya ▲s, &c.

Ouse, 1] ⚓ of Yorksh., formed by the confluence of the Swale & the Ure, & making, w. the Trent, the Est. of the Humber; 60 m. 2] ⚓ wh. rises on borders of Northamp. & Oxford., & falls into the Wash; 160 m.

Ouseley, 1] Gore, diplom. & orientalist, * 1769 Limerick; bart. 1808, ambass. to Pers. 10, † 44. 2] His bro., Wm., orientalist, * 1771 Limerick; kntd. 1800, † 42. 3] F. A. Gore, son of 1, ✠ & †, * 12/8 1825 London; suc. to fath.'s bar. 44, B. Mus. Oxf. 50, D.Mus. 54, prof. of ✠ at Oxf. 55, canon Hereford 86; composer of anthems, &c.

Outlaw, ⚖, one whose property is outside the protection of the ⚖, he havg. refusd. to surrndr. for trial.

Outram, 1] Jas. ("the Bayard of Ind."), Ind. offr. & diplom., * 29/1 1803 Butterley Hall, Derbysh.; served in Afghan., Pers., & Ind.; bart. (w. pension) for services 57–8, † 11/3 63 Paris, buried in Westmr. Abbey; stat. on Thames Embankt. ✓. 2] Geo., Scot. misc. ✓, * 1805, † 56. 3] Wm., †, * 1625; preb. of Westminster, † 79. ✓.

Ouzel, ornith., 2 specs. of thrush fam.: Ring-O., *turdus torquatus*; & Water-O. (or Dipper), *cinclus aquaticus*.

Oval, *v.* Ellipse.

Ovary, zool., the reproductive organs which produce the eggs (*v.* Embryology). ✿, hollow part of the pistil, containing the ovules.

Overall, John, †, * 1559; bp. Lichfield 1614, afterw. Norwich, † 19. ✓.

Overbeck, J. F., Germ. † ●, * 3/7 1789 Lubeck, † 12/11 1869 Rome.

Overbury, Sir T., poet. & ⚗ ✓, * 1581, poisoned in Tower 1613.

Overseer, a parochial officer chosen yrly. by the vestry to make & levy poor-rates, prepare lists of voters, &c.

Overstone, S. Jones Loyd, Bar., econom., * 25/9 1796; peer 1850, † 17/11 83. ✓.

Overweg, A., Germ. naturalist, explor. of Cent. Afr., * 24/7 1822 Hamburg, † 27/9 52 Lake Tchad.

Ovid (Publius Ovidius Naso), Rom. poet, * 43 B.C. Sulmo, † in banishmt. 18 A.D. Tomi. ✓ "Metamorphoses," &c.

Oviparous, zool., anims. wh. bring forth eggs; all birds & insects, most reptiles & fishes.

Ovoviviparous, zool., anims. wh. retain their eggs in the body until hatched; some reptiles & a few fishes.

Ovule & Ovum, the egg or seed.

Owen, 1] Richd., comp. anat. & palæont., * 20/7 1804 Lancaster; prof. of anat. & physiol. in Coll. of Surgs. 36–56, supt of Natl. ♛ Dept. Brit. Mus. 56–83, C.B. 78, K.C.B., &c.; prolif. scient. ✓. 2] R. Dale, socialist, * 7/11 1801 Newtown; made unsuccessful social. expmts., † 24/6 77. ✓. 3] F. P. Cunliffe-, organ. of exhibitions, * 1828; Dir. of S. Kensing. Mus. 73, K.C.M.G. 78. 4] John, Nonconf. †, * 1616 Stadham; Cromwell's dean of Christ Ch. Oxf. 51, Vice-Chanc. of the Univ. 52, deprived of both 57, † 83 Ealing. ✓. 5] Hy., Angl. † & misc. ✓, * 1716, † 1795. 6] John, Lat. schol., * 1560, † 1622. 7] Wm., ☻, * 1769; portr. ☻ to Pr. Regent 1813, † 25. 8] Geo., ♯✓, † 1558.

Owen Meredith, pseud. of present Lord Lytton (*q.v.*).

Owl, ornith., any nocturnal raptorial bird; *ca.* 200 specs., of wh. 11 live in Brit., 7 others visit. Screech O., *strix flammea;* Tawny O., *S. stridula.*

Ox, zool., sub-fam. *bovinæ;* includes oxen, buffaloes, bisons, &c., both hemisphs. Domestic cattle are descendts. of *bos primigenius,* wild in Cent. Eur. in Rom. times.

Oxalic Acid, ♃, organic acid in rhubarb, sorrel, & other plants, either free or combnd. w. potassium or calcium; also manfd.; a violent irritant poison. With metals it forms salts called oxalates.

Oxenden, 1] Ashton, †, * 1808 nr. Canterbury; hon. can. of Cant. 64, bp. Montreal & Primate of Canada 69, resigned 78. ✓. 2] Sir Geo., E. I. C. officl., defended Surat 1664, † 69.

Oxenford, John, ☉ ✓ & transl., * 1812 Camberwell, † 21/2 77.

Oxenham, H. N., † ✓, * 15/11 1829; sec. to Rome 57, † 88.

Oxenstierna, A., Swed. statsm., * 16/6 1583 Fanö; Chanc. und. Gust. Adolph., † 28/8 1654 Stockholm.

Ox-eye Daisy, *v.* Chrysanthemum.

Oxford, a Mid. Eng. co.; 734 s.m., 180,000 inh.; rets. 3 M.P.s: Banbury, Woodstock, & Henley divs. Cap. ⊙, O., on ⅄ Isis; 42,000 inh.; 1 M.P. Bpric. estabd. by Hy. VIII.; univ. (said to have been fnded. by Alfred the Gt.) rets. 2 M.P.s.

Oxford, 1] John of, †, * Oxford; Presdt. of Counc. of Clarendon 1164, bp. of Norwich 75, a Chf. Justiciary 79, † 1200. ✓. 2] Vere, earl of, poet. ✓, * 1545, † 1604.

Oxford Clay, ⚒, lowest memb. of Middle Oolite formatn. (*v.* Oolitic Formtn.); many fossil cephalopods.

Oxides, *v.* Oxygen.

Oxus, *v.* Jihun.

Oxygen, ♃, the most abundant terrestr. elemt., constitutg. in bulk *ca.* ⅓ of the atmosph., in wght. ⅔ of water, with silicon & oth. mets. *ca.* ½ the earth's crust; a gas without smell, colour, or taste, the great supprtr. of anim. life & of combustn.; discvrd. by Priestley 1774. Substances wh. burn in O. comb. w. it to form oxides, some of wh., dissolved in water, produce acids: hence "Oxygen" = acid-producer. Acted on by electr., &c., O. becomes ozone, a colrless. gas with a peculr. odour, prsnt. in sea & cntry. air; its molecule has 3 atoms, that of O. 2.

Oxy-hydrogen Lantern, magic L. in which limelight is used.

Oxy-hydrogen Microscope, O. lantern wh. projects a magnified image of a microscopic slide.

Oyer & Terminer, Old Fr. = to hear & determine; ⚖, commission under which assizes are held.

Oyez, ⚖ form., Old Fr. = Hear ye.

Oyster, zool., gen. *ostrea;* esp. *O. edulis,* two vars., sea O.s & "Natives," latter reared fr. spawn collected fr. natural O.-banks. Tree-O. attaches itself to mangrove-roots

Oyster-catcher, ornith., gen. *hæmatopus* of plovers, 9 specs.; feeds not on oysters, but on smaller molluscs, crustaceans, &c.

Ozell, John, transl. of Fr. works, † 1743.

Ozone, *v.* Oxygen.

P.

P, consonant, 16th let. of alph. P.M. = Lat. *Post Meridiem* = afternoon. P.S. = Lat. *Postscriptum* = postscript. 𝄢, P. = Ital. *piano* = softly. P.P.C. = Fr. *Pour prendre congé* = to take leave

Pabna, or Pubnah, district of Rajshahi Kuch Behar, Brit. Ind.; 1,978 s.m., 1,220,600 inh. Cap ⊙, P.

Paca, zool., S. Amer. gen. *cœlogenys*, ord. *rodentia;* like a large guinea-pig, & lives in burrows near water; edible.

Pace, Richd., † & diplom., * 1482; dean of Exeter 1523, of St. Paul's, imprisd. in Tower, † 32. ✓.

Pace, Rom. meas. = $\frac{1}{1000}$ Rom. mile, 4·84 Eng. feet.

Pachmann, V. de, Russ. pianist, * 1848; 1st apprd. London 82.

Pachydermata, zool., order of *mammalia*, now merged n *proboscidea* (*q.v.*) & *ungulata* (*q.v.*).

Pacific Ocean the largest sea, betwn. Amer. & Asia & Australia, fr. the Arctic O. to the Antarctic; *ca.* 10,000 × *ca.* 9,000 m., 80,000,000 s m.; sounded to 27,930 ft; divd. into N. & S. Pacific by equator; named by Magellan.

Pactolus, anct. ☵, ⚓ of Lydia, famous for its golden sands; now Bagouly.

Padang, Dutch residency on W. coast of Sumatra; 46,200 s.m., 950,000 inh. Cap. ⊙, P.

Padua (Lat. *Patavium*, Ital. *Padova*), ⊙ of Italy, cap. of prov. of P.; univ. 1228, cath. 12th cent.; 55,000 inh.; birthplace of Livy.

Paean, Grk. myth., (1) the ♪ of the gods, (2) Apollo, (3) a song to Apollo; now a song of triumph.

Paeony, ✿, gen. *paeonia*, esp. common P., *P. festiva* or *officinalis*.

Paer, Ferd., Ital. 𝄢, * 1/7 1771 Parma, † 3/5 1839 Paris.

Paez, 1] J. A., fndr. & 1st Prsdt. of Venezuela Repub., * 1790, † 6/5 1873 N. York. 2] Pedro, Span. Jesuit missy. to Abyssinia, * 1564, † 1622.

Paganini, Nic., greatest of violinists, * 18/2 1784 Genoa; played in public 93, to Eng. 1831 & 32, † 27/5 40 Nice. Composer.

Pagès, *v.* Garnier-Pagès.

Paget, 1] James, ♪, * 1814 Yarmouth; prof. of surg. & anat. at R.C.S. 47–52, presdt. 75, Bradshawe Lect. 82, Vice-Chanc. of Lond. Univ. 84–6, bart. 71. ✓. 2] G. E., ♪, * 22/12 1809 Yarmouth; Reg. Prof. of physic at Camb. 72, K.C.B. 85. ✓. 3] Aug. B., diplom., * 1823; K.C.B. 63, amb. to Italy 76, aftwds. to Austr., G.C.B. 83. 4] Violet ("Vernon Lee"), misc. ✓, * 1857; "Baldwin" 86, &c. 5] Hy. Wm. Eng. cav. offr., * 1768; covd. Moore's retreat on Corunna 1809, wnded. at Waterloo 15, cr. marq. of Anglesea, † 54. 6] Ld. Wm., diplom., * 1506; amb. to Fr., &c., † 63.

Pagoda, Hindu idol-temple; pyramidal.

Paine, Thos., polit. & anti-† ✓, * 29/1 1737 Thetford; to Amer. 75, fght. in War of Ind. on colon. side, Sec. to Comtee. of For. Affs. 77, negot. loan w. Fr. 81, retnd. to Eng. 87, took pt. in Fr. Revolut. 92, retd. to Amer. 1802, † 8/6 09 New Rochelle. "Rights of Man" 91–2, "Age of Reason" 92–6.

Painter, ⚓, rope wh. fastens a boat to a ship or wharf.

Painter, Wm., Eng. misc. ✓, * *ca.* 1554, † *ca.* 93.

Paisley, ⊙ Renfrew; shawls & cotton-thread; 56,000 inh.; rets. 1 M.P.

Paixhans, H. J., Fr. artil. offr. & ⚙, * 22/1 1783 Metz, † there 20/8 1854; invntr. of P. gun. ✓.

Pakenham, Sir Richd., Eng. diplom., * 1797; Min. Plenip. Washington 1851, Lisbon 55, † 28/10 68.

Palington, Sir J., *v.* Hampton, Lord.

Paladin, 1] 1 of Charlemagne's 12 peers. 2] A knight-errant.

Palæichthys, ichth., sub-class of fishes, comprising orders *chondropterygii* & *ganoidei*, wh. include sharks, rays, & ganoids.

Palæography, science of deciphering ancient writings.

Palæolithic Age, *v.* Man.

Palæontology, science of fossil remains. These differ greatly in Primary, Secondary, & later formations. *v.* Plate, also Geology.

Palæotherium, palæont., extinct gen. of animals resembling tapirs.

Palæozoic, ⚒, the lowest rocks that have traces of life, up to the upper part of the Permian.

Palafox y Melzi, José, Span. genl., * 1780; held Saragossa agst. Fr. 1808, surr. to a 2nd siege 09, † 16/2 47 Madrid.

Palamedea, or "Screamers," ornith., a S. Amer. ord. w. harsh voices; 2 genera, 3 species.

Palanquin, Oriental covered conveyance borne on men's shldrs.

Palate, anat., roof of the mouth; fore-part is hard P., back soft P.

Palatinate, 1] an old divsn. of Germ., now Rhine Pfalz & Oberpfalz, provinces of Bavaria.

Pale, Brit. ♛, the part of Ireld. formerly subject to English law.

Palembang, Dutch residency on E. coast of Sumatra; 61,152 s.m., 630,000 inh.; pepper & camphor. Cap. ⊙, P.

Palencia, prov. of Sp.; 1,738 s.m., 185,000 inh. Cap. ⊙, P.; 18,000 inh.

Palermo, cap. ⊙ of Sicily, ♚ & ⚓; univ. & cathed.; 250,000 inh.; manufactures & exports.

Pales, Rom. myth., goddess of shepherds.

Palestine, country of Syria, pt. of Turk. Emp., stretching from ▲ Hermon on N., to Desert of Arab. on S., from Medit. on W. to Syrian Desert on E.; mild clim., soil fert., but uncultiv.; ⚓, Jordan; ▲s: Hermon, Carmel, Tabor, Ebal, Gerizim, Gilead, Nebo; *ca.* 6,000 s.m., *co.* 10,000 Jews, besides Syrians, Turks, & Arabs. ♛; anctly. called Canaan, conqd. by Hebrews under Joshua; annex. by Assyr., by Pers., by Macedon.; divd. by Roms. into tetrarchies of Judæa, Samar., Galilee, Peræa, & Idumæa; conqd. by Mohammn. 7th cent. (*v.* Crusades); ruled by Sultans of Egypt till 1517, then annexed to Turkish Empire.

Palestrina, Giov. P. da, Ital. † ♆, * 1514 Palestrina; chapel-master of St. Peter's, Rome, 51, of Vatican 71, † 2/2 94 Rome; comp. of masses, madrigals, &c.

Palestrina, ⊙, *v.* Præneste.

Paley, 1] Wm., † & ⚓, * 1743 Peterboro'; lect. on Moral ⚓ & † at Camb., archd. of Carlisle 82, † 25/5 1805 Bishop-Wearmouth. ✓ "Horæ Paulinæ" 1790, "Evidences" 94, "Natl. †" 1802. 2] His grandson, F. A., †, ⚓, & misc. ✓, * 1816 nr. York; sec. to Rome 46, Class. Exam. to Lond. Univ., LL.D. Aberdeen 83.

Palgrave, 1] Francis (*né* Cohen), ♛, * 1788; called to bar 1827, knighted 32, dep.-keeper of H.M.'s Records 38, † 61. ✓ "Eng. Commonwealth" 32, &c. 2] His eld. s., Fr. Turner, poet & critic, * 28/9 1824; prof. of poetry Oxfd. 85. ✓ "Vision of Eng." 81, &c. 3] W. G., s. of 1, travllr. & misc. ✓, * 24/1 1826 London; Brit. Min. to Uruguay 86. ✓ "Essays on East. Questions" 72, † 1/9 88. 4] Reg. F. D., s. of 1, Parlt. officl. & ✓, * 28/6 1829 London; Clerk to Ho. of Comms. 86. "Chairman's Handbook" 87, &c.

Palikao, *v.* Cousin-Montauban.

Palimpsest, a parchmt. whose orig. writing has been effaced to make way for another record.

Palindrome, word or sentence that reads the same backwards or forwards.

Palinode, a poem recanting an earlier one.

Palissy, Bernard de, Fr. potter & ⚗, * 1509 Agenais; invented white enamel 54, imprsnd. in Bastille as a Prot. 86, † there 90.

Palladio, And., Ital. Renaiss. △, fndr. of Palladian style, * 30/11 1508 Vicenza, † 19/8 80. ⁄.

Palladium, Grk. myth., statue of Pallas, on wh. depend. the safety of Troy; carried off by Ulysses & Diomedes. ♁, a rare metal, found w. platinum & gold.

Pallas, Grk. myth., *v.* Minerva. ★, asteroid, 80 m. in diam., discvd. 28/3 1802.

Pallas, P. S., Germ. travlr. & natrlst., * 22/8 1741 Berlin; prof. of natural ♛ St. Petersburg 67, † 8/2 1811 Berlin.

Palles, Christopher, Irish ⚖, * 1831; Q.C. 65, Irish Att.-Genl. 72, Chief Baron of Irish Court of Exchequer 74.

Palliser, Sir Wm., ⚔ ⊕, * 1830, † 82; invented Palliser shot.

Pallium, 1] loose gown of anct. Grks. 2] †, pall worn by Pope & Rom. Cath. archbishops.

Palm, ❦, order *palmæ*, mostly trop.; incldg. fan P., *chamærops humilis* (the only Europ. spec.); date P., *phœnix dactylifera* (the P. of the Bible); & cocoa-nut P.

Palm Oil, *v.* Oil Palm.

Palm Sunday, †, festival on last Sunday bef. Easter, commem. Christ's entry into Jerusalem.

Palma, chf. ⊙ of Balearic Islds.; 60,000 inh.; bpric. & univ.

Palma, 1] Jac., il Vecchio, Ital. ⊕, * *ca.* 1480 Serina, † 1528. 2] Jac. (il Giovane), ⊕, * 1544, † 1628.

Palmblad, W. F., Swed. misc. ⁄, * 17/12 1788 Liljested; Grk. prof. at Upsala 1835, † 2/9 52.

Palmer, 1] E. H., trvlr. & orientalist, * 7/8 1840 Cambridge; explrd Sinai 68–9, Desert of the Exodus 70, murdrd. in Wady Sudr by Bedouins 11/8 82, bd. in St. Paul's. ⁄ "Arabic Gram." & "♛ of Jewish Nation" 74, &c. 2] Saml., ⊕, * 27/1 1805 Newington, † 24/5 81. 3] Herb., † ⁄ memb. of Assemb. of Divines, * 1601, † 47. 4] Saml., ⁄ of a ♛ of printing, † 1732.

Palmerston, Hy. John Temple, 3rd Viscnt., statesm., * 20/10 1784 Broadlands; suc. to title 1802, War Sec. 09–28, escaped assass. 8/4 18, resgnd. War Secrtshp. 28, For. Min. 22/11 30–35, 35–41, 46–51, Home Sec. 52–55, Prime Min. 55–8, 59–65, m. widow of Earl Cowper, 39 † 18/10 65.

Palmitic Acid, ⚗, a white crystall. subst. wh. combs. w. glyc. to form palmitin; fnd. in most natl fats, esp. palm-oil & Chinese tallow.

Palmitin, *v.* Palmitic Acid.

Palmyra, anct. ⊙ of Syria, in oasis of Grt. Syr. Desert, built by Solomon, & orig. called Tadmor; the cap. of an indep. kingdom und. Odenatus 260, afterwards under Zenobia, his widow; conquered by Romans 275.

Palsgrave, John, misc. ⁄, * 1480, † 1554.

Palsy, *v.* Paralysis.

Pampas Grass, ❦, specs. of *gynerium argenteum* nat. to the plains (*pampas*) of S. Amer.

Pamphilus, 1] Grk. ⊕, * 409 B.C.; formed rules of perspective & proportion. 2] A Syrian †, biogr. of Origen, * 240, martyred 309.

Pan, Grk. myth., chief god of flocks & herds.

Panama, ⊙ & free port on S. coast of P., 1 of the U.S. of Colombia; 20,000 inh.; term. of railway wh. crosses the Isthmus of P., *ca.* 40 m. broad. Inter-ocean. canal, nearly parallel with rly., begun by Lesseps 1881.

Panch Mahals, distr. of Bombay, Brit. Ind.; 1,731 s.m., 250,000 inh. Cap. ⊙, Godhra.

Pancras, St., †, a Rom. boy martyred 304; a patron saint of children.

Pancreas, anat., gland wh. secretes the pancreatic juice, an alkal. fluid wh. aids digestion; the "sweetbread" of ruminants.

Pandanaceæ, ❦, trop. ord. of trees or shrubs, called "screw

pines;" 75 specs.; in some aërial roots are given off from the stem.

Pandects, ⚖, digest of the Rom. civil ⚖ made by ord. of Justinian 533 & discovd. at Amalfi 1137.

Pandora, Grk. myth., the first woman, who recvd. from Jupiter a box full of ills & diseases, wh. she gave to Epimetheus, her husband.

Panel, ⚖, 1] roll of jurors' names. 2] The jury. In Scot., the prisoner.

Pangolin, or Scaly Ant-eater, zool., the gen. *manis*, resembling sm. crocodiles; extensile tongues; Afr. & S. Asia.

Panicle, ✱, mode of inflorescence. in wh. flowers are arrngd. on branching stalks, wh. surround a primary stalk; *e.g.*, the common lilac.

Panizzi, Ant., bibliog., * 16/9 1797 Brescello, Modena; fled to Eng., Ital. prof. in Univ. Coll. 28, asst. libr. Brit. Mus. 31, chf. libr. 56–66, kntd., † 8/4 79.

Panjab, or Punjab ("The Five ⅄s"—Sutlej, Beas, Ravi, Chenab, Jhelum), prov. of N.W. Brit. Ind., comprising divs. of Delhi, Hissar, Ambala, Jalandhar, Amritsar, Lahore, Rawal Pindi, Multan, Derajat, Peshawar, & 35 feud. nat. States; 106,632 s.m. (*minus* nat. States), 19,000,000 inh.; annexd. 1848. Cap. ⊙, Lahore; other ⊙s, Amritsar & Multan.

Panmure, Ld., *v.* Dalhousie 3.

Panslavism, movemt. for confederating all the Slavic races.

Pansy, *v.* Violet.

Pantænus, Sicilian † & ✠, missionary to Ethiopia, † 216.

Pantaleon, H., Swiss ✠ & ✍, * 1522 Basle, † 95.

Pantheism, ✠, doctr. that God & the universe are identical.

Pantheon, 1] Rom. temple to Mars & Jupiter, blt. *ca.* 27 B.C.; a Christian church 609 A.D. 2] French national mausoleum, Paris.

Panther, zool., the Ind. leopard.

Pantomimi, Roman actors in dumb show.

Paoli, Pasq., Corsican statesm. & ⚔, * 1726 Rostino; fought against Genoese, chf. of C. Repub. 55, driven out 69, † 5/2 1807 London.

Papal States, a former divsn. of Italy ruled by the Popes, incldg. existing provs. of Ancona, Ascoli Picene, Bologna, Ferrara, Forli, Macerata, Pesaro, Ravenna, Rome; several of these were annex. to the kngdm. of Sardin. 1860; all were absorb. in the kingdom of Italy 70.

Paper, *v.* Papyrus.

Paper Nautilus, *v.* Argonaut.

Paphos, anct. ☾, ⊙ of Cyprus, sacred to Venus.

Papianus, Æmil., Rom. ⚖, * 142 Phœnicia, exec. by Caracalla 212.

Papias, †, disciple of St. John, bp. of Hierapolis, martyred *ca.* 169 Pergamus. ✓.

Papier-mâché, compressed paper pulp, or sheets of paper pasted together & pressed.

Papilionaceæ, ✱, sub-ord. of *leguminosæ*, incldg. peas, beans, & all plants w. butterfly-like flowers

Papillæ, *v.* Skin.

Papin, Denis, Fr. math., ✠, & ⚙, * 22/8 1647 Blois; invtd. piston & safety-valve, † 1710.

Pappus, ✱, the crown wh. surmounts the dry fruit of certain plants; *e.g.*, the thistle.

Papua, or New Guinea, island sep. fr. Austral. by Torres Straits, *ca.* 300,000 s.m.; divd. betwn. Grt. Brit. (88,457 s.m., 140,000 inh.; hd.-qrtrs. Port Moresby), Holl. (150,755 s.m.), & Germ. (68,785 s.m.); nats. numerous; trop. products.

Papyrus, anct. writg. material, prepared fr. bark of *cyperus*, sedge of the Nile vall. Paper is now made of rags & fibre.

Para, or Belem, ⊙ of Brazil, on ⅄ P.; cap. of prov. of P.; 36,000 inh.

Parable, *v.* Fable.

Parabola, math., the curve formg. the outline of the section of a cone when cut by a plane parallel to its slant in any direction.

Paracelsus, P. A. T., Swiss ✠ & alchemist, * 17/12 1493 nr. Zürich, † 23/9 1541 Salzburg. ✓

Parachute, automatic umbrella-shaped contrivance for descending from balloons, invented *ca.* 1785.

Paraclete, †, the Comforter, the Holy Ghost.

Paraffin Oil & Wax, *v.* Paraffins.

Paraffins, ⚗, a series of hydrocarbons, consistg. of gases, liquids, & solids, prepared chfly. by heatg. bitumin. shale, when inflam. gases, oil, & water distil over; the oil is fractionally distilld. & purified, becoming the P. oil of commerce; P. wax is the solid matter separated from the oil & purified.

Paraguay, Repub. of S. Amer., W. of Brazil, E. of La Plata, surrounded by ⚓s P. & Parana; 92,000 s.m., 476,000 inh.; maize, rice, coffee, cocoa, indigo, tobac., sug.-cane, cottn., P. tea-plant, "maté." Cap. ⊙, Asuncion; 22,000 inh. Standg. army 500; reven. *ca.* £240,000. ♛: gaind. independ. fr. Sp. 1811; prest. const., mod. on that of U.S.A., estabd. 70; †, R. Cath.

Paraguay River, rises in Braz., passes thro' P., falls into ⚓ Parana at Corrientes: 1,800 m.

Paraguay Tea, or Maté, dried powdrd. leaves of a holly, *ilex paraguayensis,* used as tea in S. Amer.

Parallax, ✳, diffrnce. betw. the position of a heavenly body viewed from various points, *e.g.,* opposite sides of the earth's orbit.

Parallel Lines, geom., lines in the same plane which cannot meet however far extended.

Parallelogram, geom., 4-sided fig. whose opposite sides are parall. to each other.

Parallelogram of Forces, ⊕, method of finding the resultant of 2 forces, not in the same straight line, acting at a point upon a body.

Parallels of Latitude, ⊖, circles parallel to the equator. ✳, circles parallel to the ecliptic.

Paralysis, ✱, loss of sensation, or of power of movement, or both, fr. failure of the nerve syst.; either local or general. Palsy is a kind of partial P. generally arising from old age.

Parana, ⚓, of S. Amer., rises in Braz., falls into ⚓ La Plata; 2,400 m.

Paraplegia, ✱, palsy of lower part of body.

Parasites, zool., anims. which live in or on others. ✱, plants wh. live on other plants or on animals.

Parcæ, *v.* Fates.

Parcel Post, estabd. in Engld. 1/8 1883.

Parchment, writing material preprd. fr. skins of sheep, goats, &c.

Pard, Leopard (*q.v.*).

Pardoe, Julia, Eng. nov. & misc. ✓, * 1806, † 26/11 62.

Paré, Ambrose, Fr. ✱, * 1509, † 90. ✓.

Parhelion, mock-sun, common in Polar regions.

Parian Chronicle, chronolog. inscriptn. on some of the Arundel Marbles (*q.v.*), givg. the chf. events of Grk. ♛ B.C. 1450–264.

Parian Marble, anct. △, white M. from Paros.

Parini, A. Gius., Ital. poet. & misc. ✓, * 22/5 1729, † 15/8 99 Milan.

Pari passu, Lat. = w. equal pace.

Paris, Grk. myth., 2nd son of Priam, king of Troy, by Hecuba; caused Trojan War by eloping with Helen, w. of Menelaus, k. of Sparta.

Paris, cap. ⊙ of Fr., largest ⊙ on Cont., 25 m. in circumf., on ⚓ Seine, crossed by 29 bridges; ⚜ w. outlying forts. Palace of Justice, Luxembourg, 1615–20 (now Senate & Art Gallery), P. Bourbon (Chamber of Deputies), Elysée (occupied by President of Republic), Louvre (Natl. Gall.); Hôtel des Invalides, Hôtel de Ville, cathed. of Notre Dame; Bibliothèque Nationale, founded *ca.* 1370, 2,000,000 vols., 120,000 MSS., 2,500,000 prints, &c.; univ., archbpric.; 2,350,000 inh. ♛: fnded. by J. Cæsar on Ile de la Cité, wh. the Parisii, Gall. tribe, had a settlement; grt. imprvmts. by Nap. I., L. Phil., & Nap. III.; besieged by Germs. 19/9 1870–28/1 71; Tuileries &c., destroyed by Communists 71.

Paris, L Phil A d Orleans comte de, head of Bourbons, * 24/8 1838, s of duc d Orleans 3, m Princess Marie Isab, dau of duc de Montpensier, 64, expelled from Fr 86 & came to Eng /

Paris, 1] Matth, Eng ♛, monk of St Albans, * ca 1195, † ca 59 2] John Ayrton, Eng ⚕, * 1785, † 1857 /

Parish, orig an eccles divsn of a diocese, now also a sub divsn of a county for local govt, ca 12,000 eccles P s in England

Parish, 1] Sir Woodbine, diplom & scientist, * 14/9 1796, *chargé d'affaires* at Buenos Ayres 25–32, F R S 24, † 16/8 82 /. 2] Eli, Eng ⚕, * 1806, † 49

Park, ⚒, collection of artillery or engineering stores, &c

Park, 1] Mungo, Afr explorer, * 10/9 1771 Selkirksh, explored ⅄ Niger, slain by natives 1806 / 2] E A, Amer †, * 29/12 1808 Rhode Island, prof at Andover 36 /

Parke, Jas, *v* Wensleydale, Ld

Parker, 1] Theo, Amer †, schol, & misc /, * 24/8 1810 Lexington, contrib to *Dial*, agit agst slavery, † 10/5 60 Florence 2] John Hy, Ψ, * 1806, † 31/1 84 / "△ of Middle Ages 59, &c 3] Joseph, Nonconf †, * 1830 Hexham, built City Temple 74, chairm of Congreg Union 84 / "Ecce Deus, &c

4] Matt, †, * 1504 Norwich, archbp of Canterbury 59, supervised translation of Bishops Bible 68 assist to comp Prayer book, † 75, 5] Saml, †, * 1640, bp of Oxford, † 88 / 6] Sir Wm, Brit adml, * 1781, † 18/11 1866 7] Richd, ⚓, leader of Nore Mutiny, exec 1797

Parkes, 1] Hy, Austral states man, * 1815 Stoneleigh, to Sydney 39, Col Sec in N S Wales 66, Premier 72–5, 77, 78, K C M G 77

2] Harry, diplom, * 1828, consul in China, at Canton 48, K C B 62, Min to Yeddo 65, G C M G, Min to Pekin 83, † 22 3 85

Parkhurst, 1] John, †, * 1511 Guildford, bp of Norwich, † 74 / 2] John, † & lexicog, * 1728 Catesby † 97

Parkinson, John, Eng ⚕, * 1567, † 1647 /

Parley, Peter, *v* Goodrich 2

Parliament, *v* British Parliament

Parma, Ital ⊙, cap of prov of P on ⅄ P, univ & cathed, exports silks & Parmesan cheese; 50 000 inh, former cap ⊙ of Duchy of P, wh was incorporated with Italy 1860

Parma, *v* Farnese

Parmenides, Gk ⚖, ca 500 B C

Parmenio, Macedon genl, exec 330 B C

Parmentier, 1] Jacq, Fr ⚗, * 1658, † 1730 2] Jehan, Fr navig, * 1494, † 1530

Parmigiano, or Parmeggiano, (F Mazzola), Ital ⚗, * 11/1 1504 Parma, † 24/8 40 Casalmaggiore

Parnassus, ▲ of N Greece, chf seat of Muses now Liakura

Parnell, 1] Chas Stewart, Irish polit, * 1846 Avondale, educ at Camb, M P 75, Presdt of Ir Land League 79 leader of Home Rule party 80, imprisnd und Coercion Act 18/10 81–2/5 82 presented with test of £38,000 83 2] Hy Brooke 1st Lord Congleton, Brit statsm & /, * 1776, † 1842 "Financial Reform 3] Thos, Ir poet & †, * 1679 Dublin, archd of Clogher 1705, † 18 Chester / "Hermit."

Parny, E D Desforges, vicomte de, Fr poet, * 6/2 1753 Bourbon, † 5/12 1814 Paris *Poésies Erotiques*

Paros, island of Cyclades, 90 s m, ca 6,000 inh *v* Parian Marble

Parotid Glands, anat, 1 on ea side of cheek, for secretg saliva.

Parquet, 1] inlaid wood work. 2] Floor of a theatre 3] In Fr. ⚖, the bar

Parr, 1] Saml, schol & misc. /, * 15/1 1747 Harrow, † 6/3 1825 2] Richd, Ir †, * 1617 Fermoy, chap. & biog of Ussher, † 91 3] Thos. ("Old Parr") * 1483, † 1635. 4] C., *v.* Catherine 5.

Parrhasius, Grk. ● at Ephesus, *ca.* 400 B.C.

Parroquet, ornith., any small parrot; properly, the sub-family *platycercinæ;* chiefly Australian.

Parrot, ornith., any spec. of ord. *psittaci,* incldg. P.s proper, cockatoos, parroquets, macaws, lories.

Parrot-fish, ichth., any spec. of gen. *scarus, scarichthys, calliodon;* Medit. & trop. seas; rounded jaws, brilliant colours.

Parry, 1] Sir W. Ed., Arct. explr., * 19/12 1790 Bath; rear-adml. 1852, govr. Greenwich Hosp. 53, † 8/7 55. ⁄. 2] J. O., ♅, * 1810, † 20/2 79. 3] C. H. H., ♅, * 27/2 1848 Bournemouth; comp. & ⁄ on ♅.

Parsees, † adherents of Zoroaster; only *ca.* 7,000 in Persia, but numerous in India, espec. in Bombay: Fireworshippers.

Parsifal = Percival, hero Holy Graal legends; subj. of opera by Wagner.

Parsley, ♃, any plant of several genera of ord. *umbelliferæ,* espec. *petroselinum.*

Parsnip, ♃, *peucedinum sativum,* or *pastinaca sativa,* 4 vars.

Parsons, Robt., Eng. Jesuit †, * 1546, † 1610. ⁄.

Parsonstown, *v.* Birr.

Partabgarh, distr. of Rai Bareli, Brit. Ind.; 1,458 s.m., 785,000 inh. Cap. ⊙, Berla.

"Partant pour la Syrie," national air und. Fr. Empire; words by De Laborde 1809, ♅ by Q. Hortense.

Parthenon, temple of Athene, built by Pericles at Athens; destroyed by Venet. bombardmt. 1687.

Parthenope = Naples: hence Parthenopian Republic of 1799.

Parthia, anct. ⊖, kingdom of W. Asia, corresp. w. N. Khorassan, founded by Arsaces *ca.* 250 B.C., annex. to Pers. 226 A.D. Cap. ⊙, Ctesiphon.

Parton, Sarah ("Fanny Fern"), Amer. misc. ⁄, * 7/7 1811, † 10/10 72.

Partridge, ornith., the gen. *perdrix,* esp. *P. cinerea,* the com. or Grey P., widely distrib. in Europe; Guernsey or Red-leggd. P. is *P. rubra.*

Pascal, Blaise, Fr. †, ♗, & ⁄, * 19/6 1623 Clermont-Ferrand; attacked Jesuits in "Lettres Provinciales" 58, † 19/8 62 Paris. "Pensées," &c.

Paschal, 3 Popes; P. III. antipope 1165, † 68.

Pas-de-Calais, dept. of N. Fr.; 2,551 s.m., 820,000 inh. Cap. ⊙, Arras. Also Fr. name of St. of Dover.

Pasdeloup, J. E., ♅, * 15/9 1819 Paris, † there 87. Established *Concerts Populaires.*

Pasha, Turkish title of honour applied to generals & governors; 3 grades, disting. by numb. of horsetails on lance.

Pasiphae, class. myth., w. of Minos, & mother of Minotaur.

Paskevitch, Ivan F., Russian marshal, * 19/5 1782, † 1/2 1856.

Pasley, Sir C. W., Brit. ⚔ ● & ⁄, * 1781, † 1861.

Passant, heraldry, walking.

Passavant, Dav., ● & art ⁄, * 18/9 1787 Frankfort-on-Main, † there 12/8 1861. "Le Peintre Graveur."

Passenger Pigeon, ornith., *ectopistes migratoria* of Swainson, *columba M.* of Linnæus.

Passeres, ornith., ord. of perching birds, includg. more than half the known species.

Passim, Lat. = everywhere: a general reference.

Passion Flower, ♃, gen. *passiflora,* chiefly nat. of trop. Amer.

Passion Music, ♅ set to the story of Christ's passion.

Passion (or Holy) **Week,** †, the week before Easter.

Passionists, Rom. †, ord. fnded. by St. Paul of the Cross (Paul Francis) 1737; introd. into Eng. 1842.

Passover, Hebr. fest. commem. the sparing of Hebs. when first-born of Egyptians were destroyed.

Passow, F., Germ. philol., * 20/9 1786; prof. at Breslau, † 11/3 1833.

Passy, H. P., Fr. statesm., * 16/10 1793, † 1/6 1880.

Pasta, Giuditta, Ital ♪ ♀ of Jew descent, * 9/4 1798 Sarrano, † 4/4 1865 Milan

Pastel, dried colrd paste used in drawing

Pasteur, L Fr ⚗ & physiol, * 27/12 1822 Dole, dean of sciences at Lille 54, prof at École des Beaux Arts 68, member of Fr Acad 82 introd inoculation for hydrophobia, &c /

Pasticcio, an imitatn, esp in ♪

Paston Letters L s written durg Wars of Roses by & to the P fam, Norfolk, & published 1787

Patagonia, S distr of S Amer *ca* 347,000 s m, 24 000 inh, chfly part of Argentine Republic

Patavium, anct ⌂, Padua

Patchouli, perfume prepared fr a specs of *pogostemon* ✿

Patel, P, Fr landscape ●, * 1654, † 1708

Patella, anat the knee cap

Paten, plate for Eucharst bread

Patents *v* Letters Patent

Pater, Walter misc / * 4/8 1839 London "Marius the Epicurean 85, &c

Paternoster, Rom †, 1] "Our Father 2] Every 10th large bead in a rosary

Paterson, 1] Saml, Brit bibliog, * 1728 Lond, † 1802 2] Wm, Scot financ, * 1665 Tinwald, project of Bk of Eng 94, & of Darien Scheme 95, † 1719

Paterson, ⊙ of New Jersey, U S A, 53,000 inh

Patey, Janet M (*nee* Whytock) contralto singer, * 1842 London, 1st apprd at Birmingham, m J G P 66, to Amer 71, medal fr Conservatoire of Paris 75

Pathology, ✱, science of diseases

Patito, one who dangles after a married woman

Patkul, J R v, Livonian genl & patr, * 1660 Stockholm, exec td 16/10 1707.

Patmore, Coventry K D poet /, * 23/7 1823 Woodford "Angel in the House 54-63, &c.

Patna, divn of Bengal, Brit Ind incldg distrs of P, Gaya, Shahabad, Darbhangah Muzaffarpur Saran Champaran, 28 726 s m, 18 500,000 inh Cap ⊙, P, or Azimabad, 171,000 inh Distr of P 2 101 s m, 1,600,000 inh

Patois, Fr = country dialect

Paton, 1] Jos Noel, ● & poet /, * 1821 Dunfermline member of Scot Acad 50, H M Limner for Scot 66, kntd 67 2] And A Scot misc / † 5/4 1874

Patras, ⚓ ⊙ on Gulf of P, Greece 26 000 inh

Patriarch, † title of bishops of Rome Constantinople, Jerusalem, Antioch Alexandria &c There are 3 minor P s in the Rom Ch of the Indies, of Lisbon, of Venice

Patricians, the Rom aristocracy consistg originally of *ca* 300 *gentes* or clans

Patrick, 1] St, * 372 Dumbartonshire, missny to Irlnd 433 † 463 near Downpatrick (commem 17/3) 2] Symon †, * 1626, bp of Chichester & of Ely, † 1707 / 3] *v* Orders

Patripassians, †, those who held that in Jesus God the Father suffered

Patroclus Grk myth, friend of Achilles slain by Hector

Patterson, 1] R H, Scot misc / & ● * 1821, ed London *Globe*, &c † 13/12 86 2] *v* Bonaparte 18

Patteson, 1] John Coleridge, † * 1827, Fell of Merton 52, bp of Melanesia 61, murd /10 71 2] Sir John ⚖ * 1790 Norwich, Justice of King's B 30 † 61

Patti, 1] Adelina Marie Clorinda ♪ singer * 4 1843 Madrid, 1st apprd in Amer 24/11 1859, in London 14/5 61, m 29/7 68 to marq de Caux, divorced, m Nicolini 10/6 86 2] Carlotta, sist of 1, concert singer, * 1840 Florence

Pattison, 1] Mark, misc /, * 1813 Hornby, Fellow of Lincoln Coll Oxfd 39 Denyer † prize, 24 contrib to "Essays & Reviews" 60, Rector of Linc Coll 61 m. E F.

Strong (aftwds Lady Dilke) 62, † 30/9 84 "Isaac Casaubon 75, "Memoirs" 84 2] His sister, Dorothy W ("Sist Dora), philan, * 1832 Hauxwell, † 78 3] Wm, poet /, * 1706 Peasmarsh, † 1727 London.

Pau, chf ⊙ dept of Basses Pyrénées, France, 28,000 inh

Pauer, Ernst, pianist, * 21/12 1826 Vienna

Paul, Father, v Sarpi

Paul, St, †, apost of the Gentiles, * Tarsus, Cilicia, called Saul till his conversn, prob martyrd at Rome 66 / of Epistles

Paul, 5 Popes 1] III, Alex Farnese, * 1468 nr Florence, pope 1534, † 49, in his pontif the Inquisition was fnded 2] IV, J P Caraffa, * 1476 Naples, pope 1555, † 59 3] V, Borghese, founder of B House in Rome, * there 1552, pope 1605, † 21 4] I, Czar of Russ, s of Peter III & Catherine II, * 1/10 1754, suc latter 96, assassd 23/3 1801

Paul, Oscar, ●, * 8/4 1836, prof at Leipzig

Paul of Samosata, †, bp of Antioch 260, deposed 272 for heresy

Paul the Deacon (Warnefrid), ♛ of the Lombards, * 730, † 97

Paula, 1] St, Rom matron, friend of Jerome, & fndress of Monast of Bethlehem, * 347, † 404 2] v Francis of P

Paulding, J K, Amer misc /, collab w W Irving, * 1779, † 1860

Paulet, Wm, marq of Winchstr, statesm, * 1475, Lord Keeper of Great Seal 1547, † 72

Pauli, R, Germ ♛ of Eng, * 25/5 1828 Berlin, to Eng as Sec to Bunsen 47, prof at Tubingen 59, Marburg 67, Gottingen 70, † 3/6 82

Paulicians, †, reforming sect wh arose in Armenia 7th cent, disappeared 12th century

Paulus, 1] v Æmilius 2] Hein, Germ †/, prof at Heidelberg, * 1761, † 1851

Pausanias, 1] Spartan genl, command Grks at ✕ Platæa 479 B C, turned traitor, † 467 2] Grk. ⊙/, ca 200 B C.

Pause, ‖, sign ⌒ for a temporary stop

Pausias of Sicyon, ● of 4th cent B C

Pauwels, Ferd, ♛●, * 15/8 1830 Amsterdam, prof at Dresden.

Pavia, ⊙ N Ital, cap of prov of P, on ⚓ Ticino, 30,000 inh, univ & cathedl, ✕ 24/2 1525. ♛

Pavo, the Peacock, ✕, constell of 14 stars near S celestial pole

Pax, metal engrvd with crucifix

Pax Vobiscum, Lat = Peace (be) with you

Paxton, Joseph, ⚓ & horticult, * 3/8 1803 Milton Bryant, gardnr at Chatsworth, designed bldg for Grt Exhib, kntd 51, blt Crystal Pal, M P 54–65, † 8/6 65. / "Pocket ♨ Dict 40

Payen, A, Fr ⚗, * 6/1 1795, † 13/5 1871

Payens, H des, fnder. of ord of Templars 1128, † 36

Payer, J v, Arct travlr, * 1/9 1842 Teplitz, to Arctic Sea 69–74

Payn, Jas, nov /, * 1830 Cheltenham, edit *Chambers's Journ* 58, *Cornhill* 82 "Lost Sir Massingberd 64," / Recollections ' 84, &c

Payne, 1] John Howard, ☺ & poet /, * 9/6 1792 N York, Amer. cons at Tunis, † 5/6 1852 "Home, Sweet Home 2] John, poet. & misc /, * 23/8 1842 London.

Pea, ♨, 1] Eng name of various plnts of sub ord *papilionaceæ*, 2] properly the gen *pisum*, espec *P. sativum*

Peabody, Geo, Amer philan, * 18/2 1795 Danvers, to London 38, gave £500,000 for Lond poor, † 4/11 69 London, burd Peabody, U S A

Peach, ♨, downy var of *amygdalus persica*, akin to the nectarine.

Peacham, Hy, Eng misc. /, * *ca* 1576, † *ca* 1640

Peacock, ornith, the gen *pavo*, of pheasant fam.; 2 specs (comm. P, *P cristatus*, nat. of India, & Javanese P.).

Peacock, 1] Thos. Love, nov & poet /, * 18/10 1785 Weymouth, † 23/1 1866 Lower Halliford. 2] Geo., math. & †, * 1791; dean of Ely, † 1858. 3] Reg., †, * 1390; bp. of St. Asaph & of Chichester, † in prison (heresy) 1460. 4] Edw., misc /, * 1831.

Pear, ✠, Eng. name of *pyrus communis*, wild in Brit; many varieties.

Pearce, 1] Nath., explorer of Abyss & /, * 1780, † 1820 2] Zach., †, * 1690; bp of Bangor & of Rochester, † 1774. /

Pearl, a morbid growth in many shells, espec. in P. oyster, *avicula margaritifera;* the largest known is 2 in long, 4 round, 1,800 grains Mother-of-P., lining of the shells, is ident. in composition w P s P. oysters are found in *ca* 12 fathoms of water; Ceylon, Madagascar, Panama, &c

Pearl Barley, B ground into rounded kernels.

Pearl Spar, ⊕, a var. of dolomite wh. crystallises in rhombohedrons

Pearly Nautilus, *v.* Nautilus.

Pearson, 1] John, †, * 28/2 1613 Grt. Snoring; bp. of Chester 73, † 16/7 86. / "The Creed" 59, &c 2] Edwd., †, * 1756, † 1811

Peasants' War, ♛, revolts by Germ. P.s against nobles 1502, 14, & 24.

Peat, ✠, deposit wh. represents the first stage of the conversion of vegetables into coal; used as fuel.

Peccary, zool., the Amer. gen. *dicotyles;* 2 specs.: *D. torquatus,* collared P., & *D. labiatus,* white-lipped P.; like small hogs

Peccavi, Lat. = I have sinned.

Pecci, *v* Leo 5

Pech, F., ⊕ & art /, * 2/10 1814 Constance.

Peck, dry meas. = ¼ bushel.

Peck, F., Eng. †, Ψ, & misc. /, * 1692, † 1743.

Peckham, John, Eng. †, * 1240, † 74.

Pecock, Reg., *v.* Peacock 3.

Pecten, zool., a gen. of molluscs (scallops), world-wide; 176 recent specs., 450 fossil. *P. maximus* edible.

Peculiar People, †, a Christn. sect who refuse ✠ aid in illness.

Peculiars, eccles ✠, parishes or churches not subject to the bp. of the diocese. The Court of Ps. has jurisdict. over all such parishes in the province of Canterbury.

Pedestal, ▲, the lowest memb. of a pillar.

Pedometer, instr. for autom. counting paces of one walking.

Pedro, Emprs of Brazil. 1] I., de Alcantara, son of John VI. of Portug., * 12/10 1798 Lisbon; m. Leopoldina, Arch-duch of Austria, 17, regent of B 21, Emp 22, abdic. 31, regent of Port 34, † 24/9 34. 2] His s., II., * 2/12 1825 Rio Janeiro; suc 31, m. Theresa C. M., dau. of k. of Two Sicilies, 43, abolshd slavery 72. 3] V of Portug., * 16/9 1837; suc. Donna Maria, his moth., 53, † 11/11 61.

Peebles, a S Scot. county; 356 s m, 14,000 inh., w. Selkirksh. rets. 1 M P. Chf ⊙, P.; 4,100 inh.

Peel, ⚓ ⊙ Isle of Man; 4,000 inh.

Peel, 1] Robt., statesman, * 5/2 1788 nr. Bury; double 1st cl. Oxfd. 1808, M.P. for Cashel & Col. Und. Sec. 11, Irish Sec. 12–18, M.P. for Oxfd. Univ. 16, Home Sec. 22–7, Home Sec. & Ldr of Ho. of Coms. 29–30, carried Police Bill 29, suc. his father as bart. 31, M.P. for Tamworth 32–50, Premier 34, again 41–6, reformed tariff 45, repealed Corn Laws 46, dftd. on Ir Coercion Bill same year, † from fall from horse 4/7 50 2] His youngest son, Arthur Wellesley, * 1829; M.P. 65, Home Und. Sec. 80–4, Speaker of Ho. of Comms. 84 3] Robt., father of 1, Lancs. mercht., * 1750; created bart. 1800, † 30. 4] Jonathan, genl. & statesm., yngr. s. of 3, * 12/10 1799, † 13/2 1879. 5] Sir Wm, ⚓ offr., s. of 1, * 1824, † 58.

Peele, Geo., poet. & ✆ /, * 1552, † 98.

Peene, H. J. van, Flemish ⊕ ⁄, * 1/11 1811 Caprycke, † 19/2 64.

Peep-o'-Day Boys, Irish insurgents of 1784.

Peeping Tom of Coventry, a tailor of C., said to have been blinded for looking at Godiva.

Peerlkamp, P. H., philol., * 1786 Groningen, † 27/3 1865. ⁄.

Peers, the titled nobility of Grt. Brit., including dukes, marquesses, earls, viscnts., barons, & bps.; all hered. except bps. & certn. ⅓ lords: created by Crown; no new peerages are made for Scot. except for the roy. fam.: until Ir. P.s are reduced to 100, a new one can only be cr. for Ireland when 3 existing ones die out. *v.* British Parliament.

Peewit, *v.* Lapwing.

Pegasus, 1] Grk. myth., a winged horse wh. sprang from Medusa's blood. 2] ✱, a N. constell., N. of Aquarius. 3] Ichth., only genus of family *pegasidæ;* 4 specs.; large pectoral fins.

Pegge, Saml., † & ♆, * 1704 Chesterfield, † 96.

Pegu, divsn. of Burmah, incldg. districts of Rangoon, Thun-Khwa, Bassein, Henzada, Tharawadi, Prome, Thayet-Myo; 26,979 s.m., 1,700,000 inh.; anctly. indep. kingdom. Chf. ⊙, P.; 5,000 inh.

Peiho, ⅄ of China; rises on bord. of Tartary, falls into G. of Pecheles.

Pelle, Jas. B., Ind. administr., * *ca.* 1840; memb. of Counc. of Bombay Presidcy. 82, K.C.S.I 88.

Peine Forte et Dure, Eng. ⅓, punishmt. of those who, charged w. felony, refused to plead, consistg. of "pressing to death;" abol. 1772.

Peirce, Jas., Nonconf. †, * 1673, † 1726. ⁄.

Pekin, cap. ⊙ of China, on the Grand Canal, *ca.* 100 m. fr. Gulf of Pecheles; div. by wall into 2 parts, 1 inh. by Tartars, the other by Chin.; walls 20 m. round; 1,600,000 inh. ♛: became cap. of Emp. in 15th cent., stormed by Brit. & Fr. 1860, & Summer Palace destroyed.

Pelagius, 1] (Morgan), Brit. monk of 5th cent., oppon. of St. Augustine, fndr. of Pelagianism. 2] 2 Popes.

Pelargonium, Stork's-bill, ✱, large gen. of *geraniaceæ,* div. into *ca.* 15 sub-genera, chfly. nat. of S. Afr.; diffr. fr. geraniums in numb. of stamens & form of corolla.

Pelasgians, the orig. inhabs. of Greece.

Pelew Islands, or Palaos, in N. Pacific, 450 m. E. of the Philippines; 10,000 inh.; Spanish.

Pelican, ornith., any memb. of gen. *pelecanus,* esp. *P. onocrotalus,* the Comm. P.; Amer. P., *P. fuscus.*

Pelican-fish, icht., *eurypharynx pelecanoides,* dredged up fr. depth of 7,080 ft. nr. Canary Islands 1882.

Pelides, Grk. = son of Peleus. *v.* Achilles.

Pelion, anct. ⊙, ⛰ of Thessaly, joining Ossa on the N.W.; now Zagora. In myth. the giants attempted to heap Ossa & Olympus on P., to scale heaven.

Pelissier, J. J. A., duc de Malakhoff, Fr. marshal, * 6/11 1794 Maromme; chf. of staff in Algeria 1839–55, Fr. comdr.-in-chf. in Crim. 55, Gov.-Genl. of Alger. 60, * 22/5 64.

Pell, John, Eng. math. ⁄, * 1610 Southwyke, † 85.

Pelletan, P. C. E., Fr. polit. & ⁄, * 29/10 1813; senator 76.

Pellew, Edwd., *v.* Exmouth.

Pellico, Silvio, Ital. poet. & misc. ⁄, * 24/6 1789 Salazzo; imprisd. by Austr. Govt. 1820–30, publd. story of his imprismt 32, † 1/2 54 Turin. "Francesca da Rimini."

Pellitory, ✱, gen. *parietaria,* esp. *P. officinalis,* the com. P., wh. grows on old walls, &c.

Pelopidas, Theban genl. who freed Thebes from Sparta, † at ⚔ Cynoscephalæ 364 B.C.

Peloponnesus, anct. ⊙, the penins. of S. Greece, now the Morea; 8,263 s.m., 750,000 inh. Peloponnesian War, betw. Sparta & Athens, 431–404 B.C.

Pelops, Grk. myth., s. of Tantalus & k. of the Morea; cut to pieces & eaten by the gods.

Pelouze, T J., Fr. ⚗, * 26/2 1807 Valognes, † 31/5 67.

Pelusium, anct ⚙ ⊙ of Upper Egypt, on Nile, ⚔ 525 B C.

Pelvis, anat, girdle of bone connecting the hind limbs, including *sacrum, coccyx,* & 2 *ossa innominata*

Pemberton, 1] Sir F, ⚖, * 1625, Just. of K.'s Bench 70, Chf. Just of Com Pleas 83, † 97. 2] Hy, ⚕ & ⚙, * 1694, † 1771 /

Pembroke, marit Welsh co; 628 s m, 92,000 inh; rets 1 M P Chf ⊙, Haverfordwest, wh, w P. ⊙, 15,000 inh. (dockyds), rets 1 M P

Pembroke, 1] Anne, cntss of, *v* Clifford. 2] Wm. Herbert, earl of, poet. /, * 1580, † 1630 (?) the "W. H" of Shakespeare's Sonnets 3] Geo. R. C. Herbert, 18th Earl of, * 1850; Und. Sec. for War 74-5 /

Pemican, dried meat ground & pressed with fat into cakes

Penang, Pulo P., or Prince of Wales' Island, ⊙ one of Brit Straits Settlements on W. of Malay Penins, 105 s.m., 75,000 inh; ceded 1785

Penates, Rom. myth, gods of the store-room & kitchen.

Pendente Lite, ⚖, Lat.=while the suit is pending.

Pender, John, economic /, * 1816; M.P. 65, kntd. 88

Pendragon, anct title of chief king of the Britons Pseudonym of Henry Sampson.

Pendulum, a body wh. swings from a fixed point above its centre of gravity, probably invented *ca.* 1100

Penelope, Grk. myth, Ulysses' wife, who, during his absence, promised to accept one of her suitors when she had finished a shroud, but unravelled each night what she had woven by day.

Penelophon, *v.* Cophetua

Penguin, ornith, any memb of the aquat fam. *sphæniscidæ,* with quill-less wings; high S latns, Emperor P., *aptenodytes patagonica,* King P, *A longirostris*

Peninsular War (1808-13), by Grt. Brit., Spain, & Port. against Fr, Sir A Wellesley land Figueras 1/8 1808, deftd Fr ⚔ Vimiera 21/8; convention of Cintra signed 30/8 for evactn by Fr, ⚔ Corunna 16/1 09; Wellesley resmd command, drove Fr across Pyrenees, entered Fr. 7/10 13

Penjdeh, oasis on N W. frontier of Afghanistan, violently occupied by Russia 30/3 1885.

Penn, 1] Wm, colonisor & ✝ /, * 14/10 1644 Lond, thrice imprsd. in Tower for Quaker views, fnded. Pennsylvania 82, retnd to Eng 84, † 30/7 1718 Ruscombe 2] His fath., Sir Wm, adml, * 1621, † 70.

Pennant, or Pendant, ⚓, distinguishing streamer of a captain; Broad P., of a commodore. Hoisting the P = commissioning a ship

Pennant, Thos, natrlist. & ♆, * 1726 Downing, † 98 /.

Pennatula, zool, sea-pens; gen. allied to coral-polypes

Pennefather, Sir J. L, Brit. ⚔ offr, * 1800 Ireland, † 9/5 72.

Pennell, H. C, miscellan. /, * 1836

Pennethorne, Jas, ▲, * 1801 Worcester, kntd. 70, † 1/9 71.

Pennsylvania, State of U.S.A.; 46,000 s m, 4,300,000 inh. ⊙s: Harrisburg (cap.), Philadelphia, Pittsburg ⚒: fnded. by Wm. Penn 1682

Penny (d), Brit bronze coin=$\frac{1}{12}$ shilling, of silver till 1797.

Pennyroyal, ❦, *mentha pulegium,* kind of mint used in ⚕.

Pennyweight (dwt), Troy=$\frac{1}{20}$ oz, the weight of a silver penny.

Penrose, Thos., Eng poet. /, * 1743, † 79.

Penryn, ⊙ of Cornwall; 3,500 inh, with Falmouth rets 1 M.P.

Pensacola, ⚓ ⚙ W. Florida, U S A, dockyard; 7,500 inh.

Pentacrinus, zool, gen. of *echinodermata;* includes *P. caput medusæ,* Medusa's Head.

Pentagon, geom., plane fig. of 5 sides.

Pentameter, prosody, a verse of 5 ft., used esp. in epic poetry.

Pentateuch, †, the 1st 5 bks. of the O. Testament; popularly attrib. to Moses.

Pentecost, †, 1] Jew. feast, on 50th day fr. the 2nd of the Passover. 2] Christ. feast, 50th day aft. East., comm. desct. of Hly. Gh. on apostles.

Penthesilea, Qn. of Amazons, killed by Achilles.

Pentland Firth, strait between Orkneys & Caithness.

Penumbra, faint outer shadow fr. a luminous body: space between shadow & full light in an eclipse.

Penzance, J. P. Wilde, Ld., ✠, * 12/7 1816 London; Q.C. 55, Bar. of Excheq. 60, Judge of Prob. & Divorce 68-71, peer 69, Dean of Arches & Judge of Prov. Crts. of Cant. & York 75.

Pepe, 1] G., Ital. patriot, * 1782, † 1855. /. 2] His bro., F., * 1780, † 1851.

Pepin (le Bref), k. of Fr., fnder. of Carloving. dyn., * 714; dethrnd. Childeric III. 50, became k. 52, † 68.

Pepper, ✱, dried immature fruit or berry of *Piper nigrum*, E. Indies; white P. is berry *minus* outer husk. Long P., *P. longum*, contns. nearly same constituents. Jamaica P. is from spec. of *eugenia*, a myrtle; Cayenne P. fr. capsicum (*q.v.*).

Peppercorn Rent, ✠, nominal rent; expedient to secure acknowledgment of tenancy when there is practically no rent paid.

Peppermint, ✱, spec. of mint.

Pepsin, ⚗, albuminoid constituent of gastric juice; ✱, artific. prepared from stomach of pig or calf.

Pepusch, J. C., Germ. ♫, * 1667 Berlin; settled London, † 1752. Composer & /. *Beggar's Opera.*

Pepys, 1] Saml., administr. & /, * 23/2 1632 Brampton; sec. to Admrlty. 73, † 26/5 1703. / "Diary" (first pubd. 1825). 2] Chas. C., *v.* Cottenham.

Per fas et nefas, Lat. = by right & by wrong.

Pera, a distr. of Constantinople.

Perak, marit. State of Malay Penins. und. Brit. protectn.; ▲ous; gold.

Perceval, Spencer, ✠ & statesman, * 1762; Q.C. & M.P. 96, Sol.-Genl. 1800, Att-Genl. 02, Chanc. of Excheq. & Ldr. of Ho. of Comms. 07, Premier 09–12, shot in lobby of House 11/5 12. Life by S. Walpole.

Perch, ichth., pop. name of fam. *percidæ*, esp. *perca fluviatilis*, the ⚓ P.; Eur., N. Asia, N. Amer.

Perched Blocks, ⚒, large fragments of rock left by a melting glacier, generally in elevated positions.

Percival, 1] Jas. G., American poet, * 1795, † 1856. 2] Thos., Eng. ✱ & ✱ /, * 1740, † 1804. 3] Parsifal (*q.v.*).

Percy, noble Eng. fam. founded by Wm. P., follower of Wm. the Congr., inclds.: 1] Henry, took David Bruce prisoner at Neville's Cross 1346, † 52. 2] Henry, 1st E. of Northumb., slain in rebellion agst. Richd. II. 1408. 3] His s., Hy. ("Hotspur"), * 1366, slain at ✕ Shrewsbury 1408. 4] Thos., E. of Northumb., exectd. 1572.

Percy, Thos., † & misc. /, bp. of Dromore, * 13/4 1728 Bridgeworth; edited old Eng. ballads & romances, "Reliques of Ancient Poetry," † 30/9 1811.

Percy Anecdotes, / by J. C. Robinson & Thos. Byerley (1820–3), who styled themselves Sholto & Reuben Percy.

Perdiccas, genl. of Alex. the Grt., slain by his own soldiers aft. defeat in Egypt 321 B.C.

Peregrine Falcon, *v.* Falcon.

Peregrinus Proteus, a Christ. fanatic who burnt himself 168 at the Olympian Games.

Pereire, 1] Jacq. E., Fr. banker & railway contractor, * 3/12 1800, † 7/1 75. 2] His bro., Isaac, ditto, * 25/11 1806, † 12/7 80.

Perekop, Isthmus of, *v.* Crimea.

Père Lachaise, a Paris cemetery. *v.* La Chaise.

Perennial, ✱, continuing many years. *v.* Annual.

Perez, Antonio, Span. statesm. under Phil. II., * 1539 Aragon; banished on account of liaison w. Princess Eboli 81, † 3/11 1611 Paris

Perfectibilist, †, one who believes that perfection is attainable on earth. Doct. was held by Molinists, Jansenists, & Germ. mystics, fr. whom it passed to Methodists.

Perfectionists, †, an Amer. sect of Antinomian Communists, found. at Oneida Creek *ca.* 1854 by J. H. Noyes; *alias* Bible Communists & Free Lovers.

Pergamus, anct. ⊙, cap. ⊙ of kingdm of P., A. Minor, & afterwds of Rom. prov. of Asia, founded *ca.* 280 B.C.; library; now Bergama

Pergolesi, Giov. Batt., Ital. ♫, * 3/1 1710 Jesi, † 16/3 36 Pozzuoli; comp. of operas & † ♫.

Peri, Pers. myth., a female elf or fairy, descendant of fallen angels, excluded fr. Paradise till penance is accomplished.

Periander, one of the 7 sages of Greece, tyrant of Corinth 625–585 B.C.

Perianth, ❀, envelope round reproductive organs of a flower.

Pericarditis, ✚, inflamm. of pericardium

Pericardium, anat., membrane round the heart.

Pericarp, ❀, seed-vessel of a plant.

Pericles, Athen. statesm., orator, & genl., * 495 B.C.; headed democratic party, led attack on Samos 440, lost popularity during Peloponnesian War, † 429.

Périer, 1] Casimir, Fr. statesm., * 21/10 1777 Grenoble; Presdt. of Chamber 1830, Premier 31, † 16/5 32. 2] His son, Cas., Fr. diplom., * 20/8 1811; Min. of Int. 71–72, † 6/7 76.

Perigee, ☾, point in moon's orbit nearest earth.

Périgueux, chf. ⊙ of Dordogne, Fr.; 24,000 inh.; cathed. & Roman remains; several sieges

Perihelion, ☾, part of a planet's or comet's orbit nearest sun

Perim, Brit. isle in Strait of Bab-el Mandeb.

Perimeter, geom., boundary of a plane surface, or sum of all the sides.

Periosteum, *v.* Bone

Periostitis, ✚, inflammation of periosteum.

Peripatetics, ⁂, followers of Aristotle, who taught in the *peripatos* (colonnade) of the Lyceum.

Periphery, geom., boundary of a curved figure

Periphrasis, rhet., a circumlocutory mode of speech.

Peristaltic Action, motion of musc. coat of intestine by which contents are forced onward

Peristyle, ⊿, row of columns round or at side of building or square.

Peritoneum, anat., serous membrane lining inside of abdomen, & envelopg the abdom. viscera. The mesentery is the part of it which incloses the small intestines.

Peritonitis, ✚, inflammation of peritoneum.

Periwinkle, 1] zool., the fam *littorinidæ* of molluscs, esp the com. P., *littorina littorea;* edible. 2] ❀, the gen. *vinca*, incldg. Lesser P., nat. of Brit.; & Greater P.

Perjury, ⚖, wilful false swearing or affirmatn; a misdemeanour.

Perkin Warbeck, *v* Warbeck.

Perkunos, Sclav. myth., god of the elements.

Perm, ⊙ of Eur. Russ., on ⅄ Kama, cap of govt of P.; 33,000 inh.

Permian Formation, ⚒, strata below Trias & above carbonif. rocks; comes to surf. in N. of England & esp in Germany.

Permutations, math., the difft. ways in wh. a set of things can be arranged; *e.g.*, A, B, C, have 1 × 2 × 3 = 6 P.s ABC, BCA, CAB, BAC, ACB, CBA. *Combinations* are the groups that can be formed out of a set of things; *e.g.*, A, B, C, taken doubly, have 3 C.s: AB, AC, BC.

Pernambuco, ⚓ ⊙ of Brazil, at mth. of ⅄ Capibaribe, cap. of prov. of P; 130,000 inh.

Pérouse, *v.* La Perouse.

Perowne, John J. S., † & ✓, * 13/2 1823 Burdwan, Bengal; canon of Llandaff 69–78, Hulsean Prof Divinity 75, dean of Peterboro' 78.

Perpetual Motion, a machine which, once set in motion, should main M in perpetuity. an impossibility.

Perpignan, Fr. ⚙ ⊙, on ⚓ Tet, cap of Pyrenees-Orientales, 25,000 inh; 14th century cathedral

Perrault, 1] Chas., Fr. poet & misc. ✓, * 12/1 1628 Paris, † 16/5 1703. "Contes des Fees." 2] Claude, Fr. ▲, * 1612 Paris, † 88.

Perron, Fr.= raised platform.

Perry, fermented liqr. fr. juice of pears, made chiefly in Worcestershire, Herefordshire, Devonshire.

Perry, 1] Chas., †, * 1807; sen. wrang. & 1st class in classics 28, bp. of Melbourne 47–76, canon of Llandaff 78. 2] Steph J, ✓ & †, * 26/8 1843 London, a Jesuit 53, F.R S. 74

3] John, Eng ⚙ in Russ, & ✓ of "Russ. under the Present Czar, † 1733. 4] Jas., Eng. journlst, * 1756, † 1821

Per saltum, Lat. = by a leap.

Persano, Carlo P., Cnt. of, Ital. ⚓, * 1806 Vercelli; Min. of Marine 60-2, chf comdr. of fleet 66, deftd. at ✕ Lissa, disgraced, † 83.

Persephone, *v.* Proserpine.

Persepolis, anct. ✪ cap. ⊙ of Persia, in Araxes Valley, burnt by Alex. the Grt 4th cent. B C. Ruins

Perseus, Greek myth., son of Zeus & Danae, cut off Medusa's head, saved & marr. Andromeda, became k of Tiryns, Argolis, & fndr. of ⊙ of Mycenæ. ✓, constell. in Milky Way, N. of Pleiades, & nr. N. Pole; inclds. Algol, wh varies from 2nd to 4th magn in *ca.* 3½ hours.

Persia (Iran), kingdom of W. Asia, betw. 25°–39° N. lat. & 44°–63° E long.; 636,000 s m., 7,660,000 inh., including Tartars, Kurds, Mongols, & Arabs, chiefly Mohammedans of Shiite sect; W & N. ▲ous, highest peak Demavend; E. & centre salt desert; only navig. ⚓ Karun; fertile valleys; cereals, sugar, rice, tobacco, opium, vine, mulberry, silk manufacs., dyes, brocade, embroid.; impts. £3,850,000, expts. £2,260,000 (£1,500,000 to B. India); protection to Brit. trade by treaty of 1841; reven. & expend. *ca.* £2,100,000 each; army 80,500, militia 70,000; 3,775 m. of telegph.; cap. ⊙, Teheran; govd. by Shah, absolute monarch. ♛: subdued 7th century B.C. by Medes; in 6th cent Cyrus conqd. Media, Babylonia, &c., & founded Persian Emp; conqd. by Alex. the Gt. 3rd cent.; annexed to Parthia 236; recovered indep. under Artaxerxes, fndr. of Sassanidæ dyn., 226 A D; overrun by Mohamms. 651; Seldjuk dyn. 1037; Mogul dyns. 1393–1505; Nadir Shah k. of P 1736; present (Kadjer) dyn. fnd. 1794 by Aga-Mohammed, war w. Russ. 1804–13; present k. Nasr-ed-Deen.

Persian Gulf, in Ind. Ocean, betw. P. & Arab., 150 m. broad at entrance, greatest breadth 250 m., 650 m. long.

Persian Language, branch of Indo Germ. fam., divd. into Old P., Midd. P or Pehlevi, & N. P. (since 1000). English-Pers Lexicon by Palmer. Literature may be divd. into 7 periods —(1) 913–1106, Firdusi (2) 1106–1203, Arab. romanticism; Nisami. (3) 1203–1300, didactive & philos.; Attar, Sadi, &c. (4) 1300–1397, lyrical; Hafiz. (5) 1397–1494, Mewlana Djami. (6) 1494–1596, decline. (7) 1596 till now, critical & editorial period.

Persigny, Jean G. Victor, duc de, Fr. statesm. & diplom, * 11/1 1808 St. Germain l'Espinasse; joined Napol. III., count 52, dk. 63, ambass. to London 55–8, 59–60, † 13/1 72.

Persimmon, ✿, *diospyrus;* a fruit; esp in Japan.

Persius Flaccus, Aulus, Rom. poet. ✓, * 34 Volaterræ, Etruria, † 62. 6 "Satires" extant.

Personalty, ⚖, movable property, as disting. from realty = land & houses.

Personification, *v* Prosopopœia.

Persoon, C. H., Fr. ✉ & ✉, * 1755 Capetown, † 1837 Paris.

Perspective, science of representing objects at var. distances as they appear to the eye. Aerial P. refers to modifications effected by dist. & atmos. in the shade & colr., distinctness & indistinctness of objects, Linear P., to their apparent diminution in size, according to distance.

Perth, 1] a central Scot. co., ▲ous, w. lakes & ⚓s; 2,820 s.m., 130,000 inh.; rets. 2 M.P.s (E. & W. divns.). Chief ⊙, P., on ⚓ Tay; 30,000 inh.; rets. 1 M.P.; cap. of Scotland till 1482. 2] Cap. ⊙ of Western Australia, on Swan ⚓; 10,000 inh.

Perthes, fam. of ⬭ & ✓ publishers at Gotha, esp. 1] J. G. J., * 1765, † 10/5 1853. 2] His s., Wm., * 18/6 1793, † 10/5 1853. 3] His s., B. W., * 3/7 1821, † 27/10 1857. 4] F. C., * 21/4 1772, † 16/5 1843.

Pertinax, Helvius, Emp. of Rome January–March 193, assassinated.

Perturbations, ✶, irregularities in a planet's movemts., arising fr. its coming und. the influence of another planet.

Pertz, Georg H., Germ. ♛ ✓, * 26/3 1795 Hanover, ed. "Monumenta Germaniæ Historica," † 7/10 1876.

Peru, repub. of S. Amer., on Pacif. Ocean, betw. 2°–18° S. lat., 67°–81° W. long. 405,040 s.m., 3,000,000 inh. Indians, Mestizos, Blancos, negroes, mulattos; ▲ Andes; ⚓s, head-streams of Amazon; fert. valleys; silver, quicksilver, copper, cinchona, sarsaparilla, copaiba; guano fr. Lobos & other islds., wool (alpaca & sheep), sugar; cap. ⊙ Lima, 103,000 inh.; rev. £1,550,000, expen. £2,000,000; debt £50,000,000, with unpaid interest £20,000,000; impts. £2,200,000 (fr. Unit. Kingd. *ca.* £1,000,000), expts. £1,500,000 (to U.K. £1,000,000); peace army, 6,000; rlys. 1,600 m., teleg. 1,400 m. ♛: ruled by the Incas (advanced native civilisation) until conqd. by Spain 1533 by Pizzaro & Almagro, secured indep. 1821; present constitution 67; President & Vice-P.; Senate & House of Repres., both elective; President Iglesias driven out 85, succ. by Genl. Caceres 86. In war w. Chili 82–3 navy was destroyed & prov. of Tarapaca lost.

Perugia, Ital. chief ⊙ of P. prov., 15th cent. cathed., univ. 1320; 20,000 inh. Lake of P. 10 m. W. of ⊙, 30 m. in circumference.

Perugino, Pietro, *ne* Vannucci, Ital. ●, Raphael's master, * 1446 Citta della Pieve, † 1522 Fontignano.

Peruvian Bark, *v.* Cinchona.

Peruzzi, Bald., *alias* Balassare da Siena, Ital. ● & ▲, * 7/3 1481 Sienna, † 6/1 1537 Rome.

Peschel, Osc., ⬭ ✓, * 17/3 1826 Dresden, † 31/8 75 Leipzig.

Peschiera, Ital. ▣ ⊙, on ⚓ Mincio, 2,000 inh.; ced. by Austr. 1866. *v.* Quadrilateral.

Peschka-Leutner, Minna, ♪ singer, * 25/10 1839 Vienna.

Peschkau, Emil, humorist & journ. ✓, * 19/2 1856; ed. Frankfort *Journal.*

Peseta, Span. silver coin = 9½d.

Peshawar, div. of Panjab, Brit. Ind.; incldes. distrs. of P., Hazara, Kohat; 8,171 s.m., 1,100,000 inh. Chf. ⊙, P., ▣; 50,000 inh. Dist. of P., 2,497 s.m., 550,000 inh.

Peshito, Peschito, ✝, old Syriac version of Scriptures, made *ca.* 200.

Pesne, Ant., Fr. port. ●, * 1684 Paris, † 1757 Berlin.

Peso, coin of S. & Cent. Amer. = *ca.* 4s. 2d.

Pessimism, specif., the ☁ of despair, condensed into a system by Schopenhauer & Von Hartmann; genlly., a gloomy view of things. *v.* Optimism.

Pestalozzi, J H, educationist, * 12/1 1746 Zurich, † 17/2 1827 Brugg; forerunner of Froebel.

Pesth, *v* Buda-Pesth

Pestilence, *v* Plague.

Petal, *v* Corolla

Petard, ✕, obsolete explosive chamber used for destroying gates, bridges, &c

Petchora, ⚓ of Europ. Russ, rising in Ural ▲s, falling into G. of Pustoserisk, Arctic Ocean, 960 m

Peter, 1] the Grt. (P. Alexievitch I), Czar of Russ, s. of Czar Alexei Mikailovitch, * 9/6 1672 Moscow; shared throne w. his half-bro. Ivan 82, marr. Eudoxia Fedorovna 89, sole monarch at Ivan's death 96, began to reform army & founded ⚓, to W. Europe 97, spent several months in dockyds of Amsterdam & Deptford, suppresd revolt same year, & divorced his wife for taking part in it, founded St Petersburg 1703; took Livonia, Ingria, Finland, & part of Swed Pomerania 04–21; m. 12 Catherine, a captive in ✕ Pultowa, in wh her husb. was slain; took fr. Persia the provs. S. of the Caspian; carried out great internal reforms; procured dth. sentence 5 7 18 agst his eldest s. Alexis, who died in prison 2 days afterwards, † 28/1 25. 2] His grds, P A. II., * 23/10 1715 St. Petersburg; succ. Catherine his mother 27, † 29/1 30 3] III., another grds, * 29/1 1728 Kiel; succ Emp. Elizabeth 62, deposed by his w. Catherine & murdered 17/7 62. 4] P. Nicolas Fred., granddk. of Oldenburg, * 8/7 1827; succ his father 53.

Peter, †, Grk name of Simon, an apostle, * Bethsaida, crucified head downwards at Rome (?) *ca.* 64; claimed by R Caths. as the 1st bp. of R. Of the two epistles of P., the authenticity of the 2nd is questioned.

Peter, Karl L., Germ. ♛ ✓, * 6/4 1808, prof. at Jena 73.

Peter Botte, ▲ in island of Mauritius, 2,800 ft; 1st scaled by P B., Dutchman, kld. in descending

Peter Martyr, *v* Vermigli.

Peter of Blois, Fr † & statesm.; to Eng, archd. of Bath & London, † 1200. ✓.

Peter the Hermit, Fr monk, * *ca.* middle 11th cent. Amiens; to Holy Land 1093, stirred up crusades, vicar-genl. of Jerusalem on its capture 99, † 7/7 1115 Huy, Liege

Peter the Lombard, *v.* Lombard, Peter

Peter the Venerable, abbot of Clugny, * 1092, † 1156.

Peterborough, ⊙ of Northamptonshire, on ⚓ Nen; 23,000 inh.; cath founded 12th cent., completed 16th; rets. 1 M P

Peterloo, Massacre of (parody of Waterloo), dispersal of a reform demonstration in St Peter's Field, Manchester, 16/7 1819

Petermann, Aug H., Germ. ◯, * 18/4 1822 Bleicherode; to London 47, publd. "Atlas of Phys. ◯," prof. at Gotha, † 78.

Peters, 1] Christ. Aug, Germ. ✱, dir. of Kiel observ., * 7/9 1806 Hamburg, † 8/5 50 Kiel 2] Christ. H, ✱, dir. of observ. at Clinton, N York, * 19/9 1813 Koldenbuttel.

Peter's Pence, Eng. ♛, tax of 1d. collected on St. Peter's Day; at 1st voluntary, became compulsy. *temp.* Canute; devoted at 1st to support of an Eng college at Rome, then appropted by Pope; forbidden by Edwd. III., restored, finally abold by Hy. VIII. Now a voluntary contribtn for Pope's priv use.

Peterwardein, ♚ ⊙ of Hung., on ⚓ Danube; 5,000 inh.; ✕ 5/8 1716.

Pétion, A., Haytian mulatto, ✕ ♚ & statesm., * 1770 Port-au-Prince; educated at Paris, Presdt. of S.W. Hayti 1807–18. † 18.

Pétion de Villeneuve, Jerome, Fr. revol, * 1753 Chartres, imprisd. 93, found dead.

Petitio principii, logic, Lat.= a begging of the question.

Petition of Rights, Eng ♛, parly. declaration of people's R.s, assented to by Charles I. 7/6 1628.

Petitot, Jean, earliest ☻ on enamel, * 1607 France, † 91.

Petofi, Alex., Hung. poet. * 1/1 1823 Kiskoros, † 31/7 49 ⚔ of Schassburg.

Petra, anct. ⛶, ⊙ of Arab, at foot of Mount Hor, cap of Idumæa; ruins discovd by Burckhardt 1812.

Petrarch (Petrarca), Francesco, Ital poet, †, diplom, & schol., * 10/7 1304 Arezzo, attached to Laura de Sade, *née* De Noves, whom he met at Avignon 27; wrote his "Sonnets" in her honour, † 19/7 74 Arqua, near Padua.

Petrel, ornith., pop. name for any member of fam. *procellariidæ*, small sea-birds, common in S hemisphere; Capped P, *astrelata hentata*, W Inds, Mother Carey's Chickn., *procellaria pelagica;* Fork-tailed or Leach's P., *cymochorea leucorrhoa;* Wilson's P., *oceanites oceanicus.*

Petrie, Geo, Irish Ψ & ☻, * 1790 Dublin, † 1866.

Petroleum, or Rock Oil, from carbonif. beds in U S.A., Canada, Europn Russ, & Asia: a mixt of paraffins, olefines, & hydro-carbons of the benzine series In Eng, P Act of 1871 regulates spec grav of illuminating P. at 810–820, & oil must not evolve inflam. vapour at less temp. than 55°.

Petrology, science of ⊕ & ⚗ compositn. of rocks, & of physical & ⚗ changes they have undergone.

Petronius, Caius, Roman ✓, styled by Nero "Arbiter Elegantiæ," † 65 "Satiricon Liber."

Petropaulovski, Russ. ⚓ ⛪ on E. of Kamschatka, 500 inh

Petrucci, Ottaviano de, invtr of printing notes fr. type, * 1466 Fossombrone, † there *ca.* 1528.

Pettenkofer, Max v., ⚗, * 3/12 1818; prof. at Munich.

Pettie, John, ☻, * 1839 Edinburgh; A.R A 66, R.A. 73.

Pettigrew, 1] Thos. Jos., Eng Ψ & ⚕, * 1791, † 1865. ✓. 2] Jas. Bell, Scot. ⚕, * Lanarksh.; F.R.S. 1869, F.R.S. Edinburgh 72. ✓.

Petto, In = in secret purpose.

Petty, 1] Hy, Ld, *v.* Lansdowne 2. 2] Wm, *v.* Shelburne, earl of. 3] Sir Wm, Brit. polit. econ. & ⚕, * 1623, † 87.

Petunia, ❀, gen. of ord *solanaceæ;* nat of warm pts of Amer.

Petyt, Wm., Eng. polit. ✓, * 1636, † 1707.

Peucer, Kaspar, math & ⚕, * 6/1 1525 Bautzen, † 25/9 1602 Dessau

Peucker, Ed. v., Pruss genl., * 19/1 1791; Min. of War 1848–49, † 10/2 76.

Peutinger, Konrad, Ψ, * 14/10 1465 Augsburg, † 28/12 1547.

Peutingerian Map, a road-map of the Rom. Emp made *ca* 226, found at Speyer 15th cent. & made known by Konrad Peutinger. now at Imperial Library, Vienna.

Pewter, alloy of tin, antimony, copper, or (coarser kinds) of tin & lead

Pfalz, the Palatinate, 2 distrs. on the Rhine; now pt. of Bavaria.

Pfeffel, 1] Gottlieb K., Germ. poet & fabulist, * 28/6 1736 Kolmar, † there 1/5 1809 2] Christ. F., Germ ♛ ✓, * 1726 Colmar, † 1807.

Pfeiffer, 1] Ida, Austr. travlr. & ✓, * 14/10 1797 Vienna; went twice round world, † 27/10 1858. 2] Franz, philol ✓, * 27/2 1815 Bettlach; prof. at Vienna, † 29/5 68; founded *Germania.*

Pfennig, Germ. coin = $\frac{1}{100}$ of a mark (1s).

Pforzheim, ⊙ of Baden, on ⚓ Enz; 25,000 inh.

Phædo, Gik. ⚓ redeemed from slavery by Socrates.

Phædra, class myth, dau. of Minos & wife of Theseus.

Phædrus, Rom. poet, freedman of Augustus. ✓ "Fables"

Phaer, Thos, Eng. misc. ✓, † 1560 "Glendower."

Phaeton, Gik. myth., son of Helios (the Sun), killed by Zeus & hurled into ⚓ Eridanus for presuming to drive his fath.'s chariot.

Phalansterianism, *v.* Fourierism.

Phalanx, anct ⚔, a close dense mass of infantry, 8–12 deep; Macedonian Ph. formed by 8,000 men.

Phalaris, cruel tyrant of Agrigentum, Sicily, 570–564 B.C. The "Epistles" ascribed to him were proved by Bentley a forgery.

Pharaoh, title of Egyptn. kings up to Ptolemy I.

Pharisees ("separated ones"), Jew. †, orthodox sect of Judaism, originating just after return from Babylon, & marked by rigid attention to petty formulæ.

Pharmacopœia, ℞, book of directions for preparing & compounding drugs.

Pharos, lighthouse on the isld. of P., in Bay of Alexandria; hence any lighthouse.

Pharyngitis, ℞, inflamm. of pharynx.

Pharynx, anat., funnel-shaped cavity at back of mouth, continued into gullet.

Pheasant, ornith., any member of sub.-fam. *phasianinæ*, esp. *phasianus colchicus;* prob. nat. of East.

Phelps, 1] Saml., ☉, * 13/2 1804 Devonport; 1st appearance Wakefield 27, manager of Sadler's Wells 44–62, edit. Shakespeare 53, † 6/11 78.

Phenol, *v.* Carbolic Acid.

Phenyl, ⚗, a compd. radicle, 6 atoms of carbon with 5 of hydrogen.

Pherecydes, Grk. ♃, preceptor of Pythagoras, * *ca.* 600 B.C. ☾.

Phidias, greatest Grk. ♋, * *ca.* 490 B.C. Athens, † in prison (charge of impiety) 432.

Phigalia, anct. ☾, ⊙ of S.W. Arcadia; ♋s from the frieze of temple of Apollo now in Brit. Mus., forming part of Elgin Marbles.

Philadelphia, ⊙ of Pennsylvania, U.S.A., 96 m. from mouth of Delaware ♃; 660,000 inh.; iron, cottons, woollens; univ. of Pennsylvania; founded by Penn 1682; Declar. of Indep. pubd. here 1776; capital of U.S. till 1800.

Philemon, Grk. comic ☉ ☾, * *ca.* 280 B.C., rival of Menander.

Philemon, †, Epistle by St. Paul, w. Timothy, to P., member of the Colossian Church, 63 or 64.

Philetas, Grk. eleg. poet & grammarian at Alexandria, † 280 B.C.

Philidor, Franç. A. D., ♛ composer & chess-player, * 7/9 1726 Dreux, † 31/8 95 London.

Philip, 1] *k. of Macedon:* II., * 382 B.C.; succ. 359, conqd. Greece, assass. 336; fath. of Alex. the Grt. 2] V., * 235 B.C.; deftd. by Roms. & driven out of Greece, † 179. 3] Germ. k., s. of Barbarossa, anti-k. to Otto IV., assass. 1208 near Bamberg. 4] I. ("the Magnanimous"), Landgrave of Hesse, * 13/11 1504; acc. 18, favrd. Reformation, with Luther's consent marr. Margaret of Saale 40 (his 1st w. being living), † 31/3 67. 5] *France:* II., P. Augustus, s. of Louis VII., * 1165; succ. 80, to Palestine 90, reconqd. many Eng. possessns. in Fr., † 14/7 1223 Mantes. 6] IV. ("the Fair"), s. of P. III., * 1268; wars w. Edwd. I. & the Flemings, excomm. 1303, supprssd. Kts Templars 07, † 29/11 14. 7] *Spain:* I. of Castile ("the Handsome"), s. of Maximil. I., * 1478; marr. Joanna of Sp. (dau. of Ferdinand & Isabella) 96, † 25/9 1506. 8] II., s. of Emp. Chas. V., * 21/5 1527 Valladolid; marr. Princess Mary of Portugal 43, Q. Mary of Eng. 54, succ. to Span. throne 56, suppressed Reformation in Spain, lost Low Countries, conqd. & annex. Portug. 80, sent out Armada 88, † 13/9 98 Madrid. 9] V., founder of Bourbon dyn., s. of Dauphin Louis of Fr., * 19/12 1683 Versailles; succ. 1701, † 9/7 46 Madrid.

Philippa, Q., dau. of Wm., count of Hainault, * *ca.* 1312; marr. to Edwd. III. 28, † 69.

Philippi, anct. ☾, ⊙ of Macedonia, found. by Phil. II. 4th cent. B.C.; ⚔ 42 B.C., Brutus & Cassius deftd. by Octavian & Antony.

Philippians, †, Epistle ☾ by St. Paul, with Timothy, to the Christians at Philippi, *ca.* 63.

Philippic, an invective: fr. the

oratns. of Demosthenes agst Philip of Macedon.

Philippine Islands, Span. grp. of *ca.* 1,200 in E. Archipel.; *ca* 140,000 s.m., 7,000,000 inh Chf. ⊙, Manilla, in Luzon; 270,000 inh. Chf. nat. State, Mindanao Exports to U. King. £980,000, imprts. fr. U. King. £950,000; discovd. by Magellan 1520–1; named after Philip II. of Spain.

Philippopolis, Felibe, cap. ⊙ of E. Roumelia, on ⚓ Maritza, 25,000 inh.; rebuilt by Ph II of Macedon

Philippovich, J., baron von Philippsberg, Austr. genl, * 28/4 1829 Gospics; comdr-in-chief in Bosnia 78, govr. of Vienna.

Philips, 1] Ambrose, Eng poet, * 1675, † 1749. 2] John, poet, * 1676, † 1708. "Splendid Shilling" 08, "Blenheim" 05, &c. 3] Katherine ("the Matchless Orinda"), poet. ✓, * 1631, † 64.

Philistine, 1] anct. ☬, an inh. of Philistia, Syria. 2] A person of inartistic, illiberal views.

Phillimore, Robt. J, eccl. ⚖, * 5/11 1810; M P. 53, kntd. 62, judge of Court of Arches 67–75, of High Crt of Admiralty 67–83, bart 81, † 4/2 85. ✓ "Eccl ⚖ of the Ch of Eng," &c.

Phillip, John, ☻, * 19/5 1817 Aberdeen; A R A. 57, R.A. 59, † 27/2 67.

Phillips, 1] Wendell, Amer. abolitionist orator & ✓, * 29/11 1811, † 2/2 84 2] John, Eng. ⚒, * 25/12 1800, F.R.S. 34, prof. of ⚒ Dublin 44, Oxford 56, † 24/4 74. ✓. 3] Saml, misc. ✓, * 1815, contrib. to *Blackwood*, † 54. 4] Sir Thos, Ψ, * 1792, † 6/2 1872. 5] Chas, misc. ✓, * 1789, † 1859 6] Edwd, misc. ✓, * 1630, † 80 7] Sir Richd, journ & misc. ✓, * 1768, † 1840. 8] *v.* Halliwell-Phillips.

Philo Judæus, Jewish Grk. ✡ & † ✓ at Alexandria *temp.* Caligula.

Philology, orig love of learning, now science of language.

Philomela, Grk. myth., dau. of Pandion, changed by the gods into a nightingale.

Philopœmen ("last of the Grks."), Achæan genl, * 253 B.C.; conqrd. Sparta, slain by the Messenians 183.

Philosopher's Stone, substce. sought for by alchemists, which shouldchange everything it touchd. to gold.

Philosophy, the science of knowledge of phenomena; chief schools & dates of origin Pythagorean 500 B C., Platonic 375 B.C, Peripatetic 335 B C., Cynic 330 B.C., Epicurean 300 B C, Stoic 290 B C., Neo-Platonic 240 B C.; Inductive 1524, Cartesian 1560, Perceptive 1690, Idealist 1710, Elective 1710, Utilitarian 1790, Positive 1830.

Philostratus, Flavius, Grk biog & crit. ✓ at Athens & Rome 3rd cent.

Philoxynus, Grk. poet of Cythera *ca.* 400 B C.

Philpott, Henry, †, * 17/11 1807; senior wrangler & 1st class in classics 29, bp of Worcester 61

Philpotts, Hy., †, * 1778, preb of Durham 1809, dean of Chester 28, bp. of Exeter 30, refused to institute Mr. Gorham 49, † 18/9 69.

Phiz, *v.* Browne 10.

Phlebotomy, ✂, blood-letting.

Phlegethon, Grk myth., ⚓ in Hades

Phlox, ✿, gen of *polemoniaceæ*, incldg. P. *drummondi*, cultivated in Brit.

Phocion, Athenian statesm. & genl., * *ca* 402 B C., 45 times commander-in-chf., execd. 317.

Phœbe, anct myth., the moon, sister of Phœbus *v.* Apollo.

Phœbus = shining one *v.* Apollo

Phœnicia, ancient ⬭, prov of Syria, on Mediterran., inh. famed for arts & sciences & as colonists; now part of Turk. Empire. ⊙s. Tyre, Sidon, Arvad, Berytus, Biblus.

Phœnix, 1] Egypt myth, bird wh. every 500 years burnt itself & rose again young fr its ashes; emblem of immortality. 2] ✱ small constellation nr S. celestial pole; 1 star of 2nd magnitude.

Pholas, zool., gen. of burrowing bivalve molluscs, piddocks

Phonograph, instrument for reproducing sounds by indentatns. made on revolving thin cylinder of metal by a point fixed to a disc wh is vibrated by waves of orig sound; by reversal of process sound is reproduced: invented by T. A. Edison.

Phonography, *v* Stenography

Phosphates, *v.* Phosphorus.

Phosphorescence, property possessed by many substances & organisms of emitting light due to (1) spontaneous action, (2) elevatn. of temperat, (3) mechanical action, as friction, percussion, or cleavage, (4) electricity, (5) insolution. P of insects is probably a signal to their foes that they are unpalatable (Bell & Darwin)

Phosphorus, ℞, a non-metallic pentad element disc. by Brandt 1669, & fnd. in combination in unstratifd rocks, soil, plnts, & anims; prepd. fr actn of dilute sulphuric acid on powdered calcined bones; inflammable, soft & flexible at ordinary temperats, resembles imperfectly bleached wax, sp gr 1.77, vapour density 4 35, melts at 42 2° & boils at 287°; symb, P; atom. wt. 31, forms 2 oxides, trioxide & pentox, latter of which dissolved in water becomes phosphoric acid, used in ℞ for neuralgia, eczema, goitre, &c; dangerous even in small doses Phosphoric acid, w. metals, forms series of salts, phosphates, used in some artific. manures Heated w solutn of caustic potash in water P forms phosphuretted hydrogen, inflam. colourless gas. Amorphous P, a reddish-brown infus. subst, is preprd. by exposing common P. to 250° for 50 hours; sp gr 2 089–2 106; used for safety matches.

Photius, †, patriarch of Constantinople, † 891. ℞.

Photography, art of producing pictures by actn. of certain sensitive substances und. infl of light. T. Wedgwood (1802) first took advantage of the property of chloride of silver of turning black when exposed to light. Daguerrotype process discvd. 39, calotype proc. 41; the processes now genlly. used are Wet Plate or Collodion, & Dry Plate or Gelatine In photo-lithography a P. is transferred to a lithographic stone; in photo-zincography a zinc plate coated with a film of gelatine containg dichromate of ammonium is used, from wh impressions are taken direct, Woodburytype proc. similar. For instantaneous P s very sensitive plates are used, & lens is open only small fraction of a second. In photogravure, plates for printing in a copperplate press are produced by P., processes being secret In heliogravure, maps, &c, are drawn on paper, reduced photographically, transferred to copper, touched up, then printed

Photometer, instr. for measuring intensity of light. Chf. Ps. are Bunsen's & Rumford's

Photophone, instr for transmitting speech by agency of a beam of light invntd by Graham Bell & Sumner-Tainter.

Phrase, ♪, a distinct rhythmical period of from 2 to 4 bars or more.

Phrenitis, ℞, inflam of brain or of investing membranes.

Phrenology, alleged science wh teaches that definite relation exists between mental faculties & particular portions of the brain, & that the former are indicated by shape of skull, fnded 1796 by Gall, who was joined 1804 by Spurzheim.

Phrygia, country of As. Minor; a Rom prov. 47 B.C., annexed to Turkish Emp. 1392

Phryne, an Athenian hetaira, model of Praxiteles & Apelles.

Phthisis, *v.* Consumption.

Phulwara Tree, *v.* Bassia

Phylactery, 1] Jew. †, small sq boxes containg inscribed slips of vellum, still worn on head & left arm by orthodox Jews at morning prayer on week days. 2] A charm or amulet.

Phylloxera, entom., gen. of *aphidæ*. *P. vastatrix* attacks the vine; *P. quercus*, the oak.

Physalia, *v* Portuguese Man-of-War

Physalis, ♃, gen of herbs, rarely shrubs, w 5-toothed calyx; a campanulate, rotate, 5-lobed corolla, & 2-celled berry.

Physical Geography, the ○ of nature, as distinct fr. Political ○, the ○ of man; treats of the globe as produced & affected by natural causes.

Physicians, Royal College of, of Eng., was incorporated 1518; of Edinburgh 1681, of Dublin 1667

Physics, study of all phenomena connected w. bodies, includg. matter, force & motion, liquids, gases, acoustics, heat, light, magnetism, electricity.

Physiography, physical ○.

Physiology, science of the phenomena presented by living beings

Physostomi, ichth, an order charactsd by jointed fin-rays, only 1st ray of dorsal & pectoral fins being sometimes bony; divid. into 31 fams, includg. *siluridæ* (catfishes), *cyprinidæ* (carps), *esocidæ* (pikes), *scombresocidæ* (gar-fish, flying-fish), *salmonidæ* (salmon, trout, grayling), *clupeidæ* (herrings), *murænidæ* (eels).

Phytolacca, ♃, gen. of plants, typ. of ord *phytolaccaceæ*, espec *P. decandra*, the Virginian Poke, juice of wh. is used for colourg. wine, &c.

Piacenza (Placentia of the Roms.), Ital ♔, chf. ⊙ of prov. of P., on ⚓ Po; 35,000 inh.; 11th century cathedral; archbishopric.

Pia Mater, anat, a fibrous, highly vascular membrane investing brain & spinal cord.

Pianissimo, 𝄢, Ital. = very soft

Piano, 𝄢, Ital = soft.

Pianoforte, 𝄢, invtd. simultan. in Germ., Fr, & Ital., early in 18th century; developed fr. the harpsichord, which was preceded by the clavichord, spinet, & dulcimer; introduced into England *ca.* 1760.

Piarists, †, educ. ord. fnded. by Joseph of Calasanza, 16th cent.

Piassaba, fibre from leaves of a spec. of palm, gen. *attalea*, used for coarse brushes, &c

Piastre, old Spanish coin = *ca.* 4/-; old Ital P. = *ca.* 3/7; Turk. & Egyptian P = 2½d.

Piatti, Alfredo, violoncellist, * 1822 Bergamo; 1st appd. Eng 44, composer.

Piazzi, Giuseppe, Ital. ✱, * 1746 Ponte; discovered planet Ceres, † 1826 Naples.

Pibroch, wild Highland ✱ 𝄢, played on bagpipes

Pica, 1] zool, the gen *lagomys* of small Alpine & desert rodents, resembl g guinea-pigs, *ca* 12 specs.; Asia & Amer.; called piping or calling hares. 2] A large type, thus, M 71 lines to the foot, standard of measurement in printing.

Picard, 1] Louis B, Fr ✆ ✓, * 29/7 1769 Paris, † 31/12 1828. 2] Jean, Fr. ✱, * 1620 La Fleche, † 82 Paris

Picards, Adamites (*q.v.*).

Picardy, old Fr. prov, nearly identical w. modern dept Somme.

Picariæ, ornith., order charac. by double notch in hinder part of breast-bone, divd into *zygodactylæ* or *scansores* (toes arranged in pairs), & *fissirostres* (flat soles w a wide gape), incld. cuckoo, woodpecker, kingfisher, &c.

Piccini, Niccolo, Ital 𝄢, * 1728 Bari, † 7/5 1800 Passy Operas, &c.

Piccolo, 𝄢, sm flute, wh. plays notes an octave higher than the larger instrument

Piccolomini, Ottavio, duke of Amalfi, Austr. genl in 30 Yrs'. War, * 1599 Siena, † 1656 Vienna. His s Max, whom Schiller introduces, never existed.

Pice, Ind coin *v.* Rupee

Pichegru, Chas., Fr. genl., * 16/2 1761 Arbois, comd. army of the N. 94, imprisnd for conspiracy 1804, † in prison 5/4

Pichinca, volcanic ▲, Bolivia; 15,940 ft.

Pichler, 1] Caroline, *née* v. Greiner, * 7/9 1769 Vienna, † 9/7 1843, defnd. Christianity against Gibbon Rom. ✓ 2] Adolph P., Austn. misc. ✓, * 4/9 1819 Erlau.

Picken, And. B., Scot. poet. & misc. ✓, * 1802, † 49.

Pickersgill, 1] Fredk. R., ●, * 1820 London; A.R.A. 47, R.A. 57 2] His uncle, Hy. Wm., R.A., ●, * 1782, † 21/4 1875.

Pico della Mirandola, Giov., class. schol., * 1463, † 94.

Picot, Franç. E., Fr. ♛ ✓, * 1786 Paris, † there 15/8 1868.

Pictavium, ancient name of Poictiers.

Pictet, Marc. A., naturalist, * 23/7 1752 Geneva, † there 18/4 1825.

Picton, 1] Sir Thos., Brit. admin. & genl., * 1758; govr. of Trinidad 97–1803, of Tobago 1803–7, of Flushing 09, † at ⚔ Waterloo 18/6 15. 2] James A., Ψ & misc. ✓, * 1806 Liverpool; kntd. 81. "Memorials of Liverpool" 73, &c.

Picts, race of doubtful origin which anctly. inhab. N.E. Scot.

Picul, weight, in Jap. = 133·33 lbs. avoird.; varies in other Eastern countries.

Pie, Indian coin = ⅓d., or ½ paisa, or $\frac{1}{12}$ anna.

Pied, Fr. measure of length = 13·124. *P. du roi* = 12·7896 inches.

Piedmont, Piemont, distr. of N.W. Italy, formly. pt. of kingdom of Sardinia; divid. into provs. of Alessandria, Cuneo, Novara, Turin.

Pied Piper of Hamelin, a mediæval myth, versified by R. Browning, describing how all the rats, & then the children, were played out of the ⊙ of Hamelin.

Pie Poudre, Eng. ⚖, anct. court at every fair or market for settlement of disputes, &c.

Pierce, Franklin, Amer. statesm. * 23/11 1804 Hillsboro'; Presdnt. U.S. 53–57, † 8/10 69 Concord.

Pierola, Nich., Peruv. statesm. & genl., * 5/1 1839; Fin. Min. 69, Dictator 79, retired 81.

Pierre, *v.* Saint Pierre.

Pierrepont, Edward, Amer. ⚖ & diplom., * 4/8 1817 Newhaven, Conn.; Atty.-Genl. 75, Min. to London 76–7.

Pierrot, ingenuous character in French pantomime.

Piers Plowman, *v.* Langlande, Wm.

Pierson, Henry H., ✠, * 12/4 1816 Oxford, † 28/1 73 Leipzig.

Pietermaritzburg, cap. ⊙ of Natal; 15,000 inh.

Pietists, † 17th cent. Lutheran reformers who protested against dogmatism & exalted emotion.

Pietsch, Ludwig, ✓, * 25/12 1824 Danzig.

Piezometer, cylind. apparatus for determining compressibility of liquids by applying pressure of a piston, invented by Oersted.

Pifferari, bagpipe-playing shepherds of Abruzzi.

Pig, *v.* Hog.

Pigalle, Jean Bapt. ("the Fr. Phidias"), Fr. ✠, * 26/1 1714 Paris, † there 20/8 85.

Pigeon, ornith., any member of ord. *columbæ*, univ. distribn.; over 400 specs., classified in 3 fams.: dodos (includg. extinct D. & solitaire, & existg. Tooth-billed P. of Samoan Islands), true P.s (comm. P.s, &c.), & Crowned P.s (New Guinea & neighbrng. islds.). Domestic P. (*C. livia*) many vars. *v.* Plate.

Pigeon-English, the broken English used in Chinese ports, the word P. (= business) being used as universal synonym by the natives.

Pig-iron, an oblong mass of I. as run fr. the smeltg.-furnace; the main channel connecting the pigs is the sow.

Pigmy, *v.* Pygmies.

Pike, ichth., the gen. *esox;* esp. *E. lucius*, common or Europ. P.

Pike-perch, ichth., gen. *lucioperca*, of perch fam.; fnd. in lakes & ⚓s of temperate N. climates.

Pike's Peak, *v.* Rocky Mountains.

Pilaster, ▲, sqr. pillar projectg. ¼ to ½ of its breadth fr. pier or wall.

Pilate (Pilatus), Pontius, Rom procurator in Palestine 27–36.

Pilâtre de Rozier, Jean F., Fr physicist, * 30/3 1756 Metz, killed 14/6 85 in balloon experiment.

Pilatus, ⛰ in Lucerne Alps; highest peak, ▲ Tomlishorn

Pilchard, ichth., *clupea pilchardus*, food-fish taken off Cornish coast, also in Mediterranean & off Portugal

Pilcomayo, *v* Rio de la Plata

Pilgrimage of Grace, revolt in N. of Eng. 1536–7 agst. suppressn of monasteries, led by R Aske & Lord Darcy; both executed

Pilgrim Fathers, the 74 men & 28 women who left Plymouth in the *Mayflower* 6/9 1620, landed on Plymouth Rock 25/12, & founded New Eng States.

Pilkington, 1] Jas, Eng Prot ✝, * 1520; bp. of Durham, † 75 2] Letitia, ♀ /, * 1712, † 50

Pillar, △, a detached round column, may be single or one of a number.

Pillar-saints, *v.* Stylites

Pillars of Hercules, anct ○ & myth., Calpe & Abyla, the opposite rocks at entrance of Mediterranean Sea, torn asunder by H.; now Gibraltar & Hacho.

Pillnitz, village near Dresden Convention 27/8 1791

Pillory, ⚒, penal instrument consistg of a wood. frame bored w holes, thro' wh. the offender's head & hands were put; abolished in Eng 1837.

Pilot-fish, ichth., *naucrates ductor*, *ca.* 1 ft. long, wh. accompanies ships & large fish, esp. sharks, the *pompilus* of the ancts.

Piloty, 1] Karl v, ♛ ☻, * 1/10 1826 Munich; dir of Acad there, † 21/7 86 2] His bro., Ferd, ♛ ☻, * 9/10 1828 Munich

Pilpai, or Pilpay, *v.* Bidpai.

Pimento, *v.* Allspice.

Pimpernel, ❀, gen. *anagallis*, Field P., *A. arvensis*; Bog P., *A. tenella*

Pinacothek, picture-gallery.

Pinchbeck, alloy of zinc & copper, named after Thos. P., Eng ⚙, † 1732

Pindar, Grk. lyr poet, * *ca.* 522 B.C. Thebes, † 442 Argos

Pindar, Peter, *v* Wolcot, John.

Pindus, Grk. ⛰ betw. Thessaly & Epirus.

Pine, ❀, gen. *pinus*, *ca* 70 specs., found in parts of Eur, Asia, & Amer. within N hemisph, Scotch Fir or P., *P sylvestris*; Cluster P, *P. pinaster*; Pitch P. (U.S.A), *P. rigida*, Virgin P, *P. palustris*, Weymouth (Canada) P, *P strobus*.

Pine-apple, ❀, *ananassa sativa*, introd. into Eng from Holl. 1690; orig from Braz. & E. Ind., upwards of 50 varieties

Pine-grosbeak, P.-finch, or P. Bull-finch, ornith, Arct migrating spec, *pyrrhula* (or *pinicola*) *enucleator*.

Pinel, Phil, Fr ⚕, * 1745, † 1826. /.

Pinero, A W., ♀ & ♀ /, * 24/5 1855 Lond., 1st appeared 74 Edinb. *The Squire*, *Magistrate*, &c.

Pingré, Alex. Gui., Fr ✎ & monk, * 4/9 1711 Paris, † 1/5 96.

Pink, ❀, gen. *dianthus*, esp.. *D plumarius*, garden-pink; *ca.* 70 species.

Pink, ⚓, 3-mastd. narrow-sternd. vessel w. lateen sails, chfly. used in Mediterranean.

Pinkerton, John, Scot. Ψ & ♛, * 1758 Edinburgh, † 1826 Paris ‖/.

Pinna, zool, wing-shells, a gen. of molluscs, 30 recent, 60 fossil, specs. A long silky appendage to its under surface, the byssus, is woven into gloves, &c.

Pinnigrada, or Pinnepedia, zool., 1 of 3 sections of *carnivora*, composed of seals & walruses.

Pinson, Richard, printer to Hy. VII & VIII., † 1530.

Pinsuti, Ciro, ♯ & song composer, * 1829, † 10/3 88 Florence.

Pint, Brit measure of capac. for solids & liquids = 34·65925 cubic inches = ⅛ gallon = 0·93 litre. Scot. P. = 3·0065 English P.

Pinto, A. A. da Rocha Serpa, Portug. explr., * 20/4 1846 Tendaes, Douro, crossed Afr. fr Benguella to Durban 77–9 /

Pinturicchio, Bernardino B, Ital ⊛, * 1454 Perugia, † 11/12 1513 Siena.

Piombo, Fra Sebast del (Luciani), Ital. ⊛, * 1485 Venice, † 1547 Rome

Piozzi, Hester Lynch, *nee* Salusbury, misc. / & friend of Dr Johnson, * 1740, marr. (1) Mr. Thrale, (2) Signor P., † 1821.

Pipa, zool., *P. americana,* the Surinam toad, Guiana; young hatched in cells on female's back

Pipe, wine-meas.; of port = 115 galls; of Teneriffe = 100 galls; of Marsala = 93 galls.; of Madeira = 92 galls.

Pipe-fish, ichth, any memb. of fam. *syngnathida;* Broad-nosed P.-f., *siphonostomata typhle,* Brit. coasts.

Piper, K. W. F., † & Ψ, * 7/5 1811 Stralsund; professor at Berlin /.

Piperaceæ, ✱, natural ord. of trop. shrubs or herbs, incldg var specs. of piper (*v.* Pepper), all pungent, acrid, & aromatic.

Piperine, *v.* Pepper.

Pipe-roll, ⚷, the Great Roll of the Exchequ.; hence P.-office.

Pipit, *v.* Anthus.

Pippi, G., proper name of Giulio Romano.

Piræus, harb. of Athens & ⊙, 22,000 inh.

Pisa, Ital chf. ⊙ of prov. of P, 8 m. fr. mth. of ⚓ Arno, 56,000 inh.; Tuscan cathed. 11th cent., w. Leaning Tower, belfry 188 ft., univ. finded. 1329; Council of P. † 1409.

Pisano, 1] Niccolo, Ital. ♋ & ♎, * 1205 Pisa, † there *ca.* 78. 2] His s., Giov., ♋ & ♎, * 1240 Pisa, † there 1320.

Pisces, Lat. = Fishes, ♓, 12th constell. of the Zodiac, nr. celest equator; crossed by sun at vernal equinox.

Piscis Australis, Lat. = Southern Fish, ♓, constell. S. of celest. equator, directly und. Aquarius; 1 star of 1st magnitude, Fomalhaut.

Piscis Volans, Latin = Flying Fish, ♓, constell. of S celestial hemisph., betw S. celes. pole & Argo.

Pisek, Bohem. ⊙, 11,000 inh.; ✕ 8/6 1742

Pisistratus, thrice tyrant of Athens, † 527 B.C.; had Homer's poems written out.

Pistacia, ✱, gen of plants of order *anacardiaceæ; P. vera,* P. nut-tree, W. Asia & S. Eur.; *P. lentiscus,* Medit., yields mastic, used in dentistry, &c.; *P. terebinthus,* S. Eur. & N. Afr., furnishes Cyprus turpentine

Pistil, ✱, female organ of flowering plants; consists of ovary, or lower part, contg seeds, & stigma; after flowerg. it becomes the fruit.

Pistole, anct. Contin. coin = *ca.* 15s.

Piston, ⚙, circular plate of iron packed into cylinder of steam-engine, &c.; actuates the P.-rod, usually of steel, wh. passes out of cylinder thro' a stuffing-box, in wh. it is packed steam-tight.

Pitaval, F. G. de, ⚷ & ✍ /, * 1673 Lyons, † *ca* 1750. "Causes Celebres."

Pitcairn, Archib., Scot. ✱ & ⚕ * 1652 Edinburgh, † 1713. /.

Pitcairn Island, lofty volcan. I. in S. Pacif., S.E of the Low Archipel.; *ca.* 7 m. round, discovd. by Carteret 1767, colon. by *Bounty* mutineers 90, now inh. by *ca* 100 of their descendants.

Pitch, 1] *v.* Tar. 2] The acuteness or gravity of any particular sound, caused by the rapidity or slowness of the vibratns. producing it. In Eng. the high concert P c = *ca.* 540 vibratns., medium P. c = 528; on Continent, the Fr. "diapason normal" c = 518 is being generally adopted.

Pitch-stone, volcanic rock, resembling obsidian, but less glassy; genlly. dark-green, conchoidal fracture, pitch-like lustre.

Pitcher Plant, ✱, gen. *nepenthes;* leaves w a broad stalk ending in a pitcher; swamps of India, China, &c.

Pith, ✱, cellular spongy substance in centre of stem or shoot; at first greenish & full of fluid, afterwards pale & dry.

Pitman, Isaac, stenographer, * 4/1 1813 Trowbridge; invtd. phonography, & fnded. Phonetic Spelling movement

Pitra, J. B., Fr. ✝ & ♛ ✓, * 31/8 1812 nr. Autun; cardinal 63, librarian of the Holy Rom Ch.

Pitt, 1] Wm., Earl of Chatham, * 15/11 1708 Boconnoc, Cornwall; M.P. for Old Sarum 35, opposed Walpole, received legacy of £10,000 from Duch. of Marlboro' 44, Army Treas. & Paymaster of Forces 46–55, Sec. of State 56, dismissed same yr., Sec. of State & Ldr. of Ho. of Commons 57, prosecuted Fr. war, 0, Ld. Privy Seal & peer 66–8, oppd Amer. war 75–7, last speech 2/4 78, † 11/5 78 Hayes, Kent; burd. in West Abbey, monument there & in Guildhall, his debts pd., & annuity of £4,000 annex. to earldom 2] His 2nd s., Wm., * 28/5 1759; M.P. for Appleby 80, Chanc of Excheq & Ldr. of Ho. of Coms. 82–3, Premier 83–1801, declared war agst. Fr. 1793, effected Irish Union 1800, resigned on King's opposition to concessions to R. Caths. 01, Premier 04, † 23/1 06 Putney, burd. Westmin. Abbey; Parly. grant of £40,000 for debts. Life by Stanhope. 3] Christoph., poet. ✓ & transl of the "Æneid," * 1699, † 1748.

Pittacus, 1 of 7 sages of Greece, * 648 B C. Mitylene, † 570.

Pittié, Franç. Gabr., Fr. genl. & ✓, * 1829, † 3/12 86.

Pittsburg, ⊙ of Pennsylvania, U S.A., on ⚓ Ohio; *ca.* 160,000 inh.; iron & steel mnfs., arsenal.

Piu, ♯, Ital. = more; *e g*, *P. allegro* = faster

Pius, 9 Popes: 1] I., St, Pope 142–57. 2] II., Æneas Silv Piccolomini, * 18/10 1405 Pienza; bishop of Siena 50; cardinal 55, Pope 58, retracted anti papal views, † 15/8 64 3] VI, Giov. A Braschi, * 27/12 1717 Cesena; Pope 75, exiled to Grenoble by the French 98, † 29/8 99 Valence 4] VII, B. Chiaramonti, * 14/8 1742 Cesena, card & bp. of Imola 85, Pope 1800, consecr. Napol. I. Empr. 04, arrested 09, released 14, † 20/8 23. 5] VIII., F. X. Castiglioni, * 20/11 1761 Ancona, succ Leo XII 29, † 30/11 30. 6] IX, Count M. Mastai Ferretti, * 13/5 1792 Sinigaglia, card. 1840, suc Gregory XVI 16/6 46, entd. on liberal policy but drew back, fled fr mob to Gaeta 24/11 48, returned 50, defined Immac Conception 8/12 54, issued Syllabus 64, Papal Infall declrd. 18/6 70, † 8/2 78

Pix, *v.* Pyx.

Pixy, a fairy or elf.

Pizarro, Francesco, Span. adventurer, * 1471 Trujillo; to Amer 1524, conqrd. Peru 31–33, founded Lima 35, exec. Almagro 38, assassd. 26/6 41.

Pizzicato, ♯ Ital = pinched; a directn that the string is to be plucked with the finger instead of bow being used.

Placenta, 1] zool., organ in most mammals by means of wh. vascular connectn is establd. betw fœtus & mother. 2] ✱, any surface in the ovary to wh. ovules are attached.

Placido, Placidamento, ♯ (Ital) = quietly.

Placoidei, ichth, obsolete ord. fnded. by Agassiz, & comprising fishes whose skin is covrd. irreg. w. enamel plates; *e g.*, sharks

Plague, The, or Black Death, ✱, a peculiarly malig fever, prob. ident. with worst forms of typhus; chf. known focus, Cairo; in Europe 1348, 1360, 1373, 1382, &c; in Eng. 1348–9, 1361–2, 1369, 1665

Plaice, ichth., a flat-fish, *pleuronectes platessa*, N. Europe.

Plain, The, the Girondists in the 1st Fr. Revolutn., who occupied the floor of the Nat Conventn. hall, 1792. *v.* Mountain.

Plana, Giov. Ant., ✱, * 8/11 1781 Voghera; dir. of Turin observ., estabd. theory of moon's motion, † 20/1 1864

Plan of Campaign, scheme expounded in *United Ireland* 1886, und. wh. what tenants consider fair rents are paid to Nat League officials, who only hand them to landlord if accepted as paymt. in full.

Planaria, zool., group of soft-bodied hermaph. worms, mostly aquatic; mouth in mid. of body, propagation sometimes by fission.

Planché, Jas. R., ☉ / & Ψ, of Huguenot desct., * 27/2 1796 London; apptd. Rouge Croix Pursuivant-at-Arms 1854, Somerset Herald 66, / *Chas. XII.* 28, "♛ of Brit Costume" 34, † 29/5 80.

Plane, ♃, gen. *platanus;* 5 or 6 specs, including Oriental P, *P. orientalis,* W. Asia & Cashmere; Amer P., *P. occidentalis;* Maple-leaved P. (the spec. cultivated in London, &c.), *P. acerifolia.*

Planetarium, ✱, an Orrery.

Planetoids, ✱, Asteroids.

Planets, ✱, bodies wh revolve round sun; those known to ancts. were Mercury, Venus, Mars, Jupiter, Saturn. Uranus, Neptune, & the Asteroids since discovrd. Dist. fr. sun in millions of miles Merc. 36, Ven. 68, the Earth 94, Mars 142, the Aster. 224–270, Jup. 485, Sat. 890, Uran. 1,800, Neptune 2,898. Diam. in miles: Merc. 3,150, Ven. 7,716, Earth 7,916, Mars 4,093, Asteroids very small, Jup. 85,963, Sat. 79,013, Uran. 34,292, Nept. 42,000. Hourly motion in thousands of miles: Merc 109, Ven. 80, Earth 68, Mars 53, Jup 25, Sat. 21, Uran. 16. Length of year: Merc. 88d., Ven. 225d., Earth 365¼d., Mars 687d, Jup. nearly 12 yrs, Sat. nearly 30 yrs., Uran. nrly. 84 yrs., Nept nrly. 217 yrs *v* Asteroids

Plant, *v.* Botany

Plantagenet, Geoffrey, statesman & †, s of Hy. II. by Rosamond; bp. of Lincoln, Chanc., archbp. of York 1191, † 1213 Normandy.

Plantagenets, Eng. ♛, dynasty beginng w Henry II. (1154), endg. w. Richd. III. (1485), when it was succ. by the Tudor dyn. in Henry VII. Name derived fr. *planta genista* = broom-plant, sprig of wh. was worn in his cap by Geoffrey of Anjou (Hy. II.'s father).

Plantaginess, ♃, ribworts; ord. of herbaceous plants, with or without stem of world-wide distribution; 3 genera, 120 specs (Lindley), ca. 50 (Hooker); Brit. gen. *littorella* & *plantago.* ℞, astringent, seeds demulcent.

Plantain, ♃, *musa paradisiaca,* small tree akin to banana, cultivd. in Ind. for its fruit & leaves. ℞, used for blistered wounds & ophthalm, fruit astringent, root anthelmintic.

Plantain-eater, ornith, pop. name for fam. *musophagidæ,* ca. size of a rook, forest regions of Africa

Plantigrada, zool., a section of ord. *carnivora,* called P. fr. applying almost or quite all the sole of foot to the ground in walking; inclds. bears & badgers.

Plantin, Christ., typog., * 1514 Montlouis, † 89 Antwerp his estab. there a pub. museum since 1875

Plasma, 1] ♁, sub-translucent leek-green or bright-green var. of chalcedony, often w. white spots. 2] Physiol., the colourless liq. portion of blood, in which the corpuscles are suspended.

Plassey, Ind. vill on Hooghly, λ; ✕ 23/6 1757, Surajah Dowlah (Nabob of Bengal) defeated by Clive.

Plaster of Paris, *v.* Gypsum

Platæa, anct. ⊙ of Bœotia; ✕ 479 B C, Persians und Mardonius deftd. by Grks. und Pausanias.

Plate-marks, *v.* Hall-marks.

Platen, K. Aug. G., count von Hallermunde, Germ lyr. & ☉ /, * 24/10 1796 Ansbach, † 5/12 1835 Syracuse.

Plater, Vladislas, count, Polish patriot; m. Carol. Bauer 1844.

Plating, *v.* Electroplating.

Platinum, a tetrad metal, genlly alloyed w. iridium, osmium, ruthenium, palladium; white & lustrous; can be rolled out into thin foil & drawn out into fine wire; dissolvd. in aqua regia it forms P. tetrachloride or platinic chloride, an orange-red compnd wh. combines w. chlorides of alkalies to form platino-chlorides or chloro-platinates. Symb., Pt; at wt. 197·4, sp. gr. 21·6. Largely used in constructn. of ⚗ apparatus

Plato (real name Aristocles), Grk. ♃, * 429 B.C. Athens or Ægina; disciple of Socrates & friend of Euclid, travelled on former's death 399, back to Athens *ca.* 69, taught ♃ in the Academy, † 347 Athens. ✓ "Phædo," "Apology of Socrates," "Republic," &c.

Plato's Year, ✶, period during which earth's axis makes complete revolution, *ca.* 26,000 years.

Platten-See, *v.* Balaton, Lake

Platter, 1] Thom., autobiog. ✓, * 1499 Valais, † 1582 Basle 2] His s., Felix, ⚕ & autobiog. ✓, * 1536, † 1614.

Platystoma, ichth., fresh-water gen. of cat-fish fam (trop. S. Amer.), long snout & projecting upper jaw.

Plautus, T. M., Rom. com. ✆✓, * *ca.* 254 B.C Parsina, Umbria, † 184 Rome; 20 plays extant

Playfair, 1] Lyon, Brit. ⚗ & statesm., * 21/5 1819 Meerut; stud. und. Liebig; prof. of ⚗ Manchester 43, Edin. 56–69, Insp.-Genl of Govt. Museums & Science 56, M.P. 68, Postmr.-Genl. 73–4, Chairman of Ways & Means & Dep.-Speaker 80–3, K.C.B. 83, Vice-Presdt of Council 86, Presdt. of Brit Assoc. 85, F.R.S. ✓. 2] John, Scot. math & natural ♃, * 10/3 1748 Benvie; prof. at Edinb., † there 19/7 1819. ✓. 3] Wm., bro. of 2, ⊙ & misc. ✓, * 1759, † 1823

Plebeians, Rom ♛, the commonalty, includg. all inhabnts of R. except the Senate (patricians) till the *equites* were raised to a separate order.

Plebiscite, vote of the whole community; fr. *plebiscitum*, Lat. = law passed by the *plebs* assembled in the Comitia Tributa.

Plectognathi, ichth., ord containing 2 families (*scleroderm.* & *gymnodontes*); rough scales or spines, skin sometimes quite naked; skeleton only partly ossified, w. few vertebræ.

Pleiades, 1] Grk. myth., the 7 daughters of Atlas & Pleione, changed into doves & placed among the stars that they might escape Orion. 2] ✶, group of 7 stars in the neck of Taurus, 1 of 3rd magn.

Pleistocene Beds, ⚒, lower division of Tertiary deposits, containing many of the earlier remains of Prehistoric Man.

Pleonasm, rhet., redundancy.

Plesiosaurus, extinct marine reptile, *ca.* 20 ft. long, naked skin, neck very long, short tail.

Pleura, anat., a thin moist membrane lining each side of chest & reflected on lungs.

Pleurisy, ⚕, inflamm of the pleura, sometimes with pneumonia.

Pleurodynia, ⚕, "stitch in the side," spasmodic or rheumatic affection of muscles of chest, esp those between ribs

Pleuronectidæ, *v* Flat-fish

Pleuro-pneumonia, *v* Pneumonia.

Plevna, ⊙ Bulgaria, on ⚓ Vid; besieged by Russ 1877; ✕s 20, 21, & 30/7, surrend. by Osman Pasha 10/12 77.

Pleyel, 1] Ignaz, Germ. ♫ composer, * 1/6 1757 Ruppersthal; to Paris as ♫ publisher & pianoforte manufact., † there 14/11 1831. 2] His son, Camille, pianist, * 1792 Strasburg, † 4/5 1855

Pliny, 1] the Elder, Caius P Secundus, Rom. naturlst., * 23 Como, † 79. ✓ "Historia Naturalis," extant 2] His neph., P the Younger, Caius P C. Secundus, Rom govr. & ✓, * 62 Como; consul 100, govr. of Bithynia & Pontus 103, † 110. ✓ "Letters" to Trajan; 10 books extant.

Pliocene Formation, ⚒, upper divisn. of Tertiary rocks, in which majority of fossil shells are of recent specs The Brit P. contains 325 gen., 1,103 specs of anims, 30 gen & 57 specs being mammals; divid into Old & New P, latter contemp w part of Glacial Period.

Pliosaurus, gen. of huge extinct lizard-like reptiles; some nrly. 40 ft long, w fins.

Plockhorst, Bern, ♛ ⚭, * 2/3 1825 Brunswick.

Ploennies, Luise v., *nee* Leister, poet. & rom. ✓, * 7/11 1803 Hanau, † 22/1 72 Darmstadt.

Plon-plon, *v* Bonaparte 22

Plotinus, Neo-Platonist ✓ at Alexandria & Rome, * 203 Lycopolis, Egypt, † 270 Puteoli.

Plough Monday, Monday after Twelfth Day, end of Christmas holidays, when ploughmen drew a plough from door to door, asking for money.

Plover, ornith, pop. name of fam of wading birds, *charadriidæ*, esp. *charadrius pluvialis*, the gold., yellow, or green P.; grey P, *squatarola cinerea;* over 100 specs, includg turnstones & oyster-catchers

Plum, *v.* Prunus

Plumbaginea, ✿, order of widely-distrib. herbaceous plants, *ca.* 200 specs., incldg. Sea-pink or Thrift.

Plumbago, *v* Graphite

Plume-moths, entom, pop. name for fam *pterophoridæ;* small wings cleft into narrow rays, fringed at edges; 29 Brit species.

Plumptre, Edwd. Hayes, † & transl., * 6/8 1821; Fell. of Brasenose 44, Preb. of St. Paul's 63, Boyle Lect. 66–7, member of Old Test. Rev Committee 69–74, D.D. Glasgow 75, dean of Wells 81, transl. of Sophocles 66; "Christ & Christendom" 67, "Spirits in Prison" 84, transl. of Dante 86–7, &c.

Plumularia, zool., gen. of zoophytes w. feathery shoots, simple, branched, & jointed.

Plunket, 1] Wm. Conyngham, Irish ⚖, orator, & statesm., * 0/7 1765 Fermanagh Co; K.C. 98, Irish Solic.-Genl. 1804, afterwards Att.-Genl., again 22, Chief Just. of Irish Com. Pleas & peer 27, Irish Lord Chanc. 30–41, † 54. 2] His grands, Dav. Robt, Irish statesm. & ⚖, * 3/12 1838, Q C 68, M.P. for Dublin Univ. 70, Irish Solic.-Genl. 74–7, Paymaster-Genl & Privy Councilr. 80, 1st Commsnr of Works 85, 86.

3] Wm. Conyngham, Lord, broth. of 2, †, * 1828; succ. to title 71, Prot bp. of Meath 76–84, archbp of Dublin 84.

Plutarch, Greek biog & moral ✓, * *ca* 50 Cherones, † there *ca.* 120. "Lives" & "Moralia."

Pluto, *v.* Hades.

Plutonic Rocks, ⚒, R.s of igneous or aqueo-igneous origin, including granites, syenites, &c.

Pluviôse, 5th month of Fr. revol. calendar (20/1–18/2 or 19/2).

Pluvius, myth., Jupiter, as god of rain.

Plymley, Peter, *v.* Smith, Sydney.

Plymouth, 1] ⚓ ⊛ Devonsh., at mouth of ⚓ Plym, contig. to Devonport & Stonehouse; 80,000 inh.; rets. 2 M.P.s. P. Sound, estuary of Eng. Chan., betw. Devon & Cornwall, protected by P. Breakwater. *v* Eddystone. 2] ⊙ of Mass., U.S.A., landing-place of Pilgrim Fathers; 8,000 inh

Plymouth Brethren, †, a sect, split up into various branches, of Calvinistic, Millenarian Baptists, fnded. at P. & Dublin *ca.* 1830 by Darby. Have no stated ministry.

Pneumatic Despatch, D. of letters, parcels, &c, by means of an artificial vacuum in front & atmospheric pressure behind. P. D. Company ceased to exist 1876.

Pneumatic Trough, ⚗, vessel first used by Priestley for collectg. gases over water.

Pneumatics, science of the mechanical properties of air & other

Pneumogastric Nerve, or *Par Vagum* anat, N between neck & upper pt of abdomen, w branches to pharynx, œsophagus stomach, liver spleen & respir passages

Pneumonia, ✠, inflam of lungs called Pleuro P when the pleura is affected

Po, ⚓ of Italy, rising on Monte Viso in Cottian Alps falling into Adriatic, *ca* 450 m the ancient Eridanus or Padus

Poaching, ⚒, illegal hunting of game or illegal fishing Night P is punishable by 3 months impt for 1st offence, 6 for 2nd 9 Geo IV c 69, & 7 & 8 Vict, c 29

Pocahontas, dau of an Indian chf of Virginia, * 1595 saved Capt John Smith s life 1607 marr John Rolfe & was baptised † 1617

Pocci, F, count v ☻ ♆ & poet ✓ * 7/8 1807 Munich † there 7/5 76

Pochard, ornith, a wild duck *fuligula* (or *anas*) *ferina*, Brit, N Europe, & America

Poco, ♆, Ital = rather, *e g*, *P lento* = rather slow

Pococke, 1] Edwd Eng orientalist & † ✓ * 1604 † 10/9 91 2] Rich, † & travellr, * 1704 Southampton, † 65 ✓

Podagra, gout in the foot

Podargus, ornith insectiv gen pop known as Frog mouths resembling goatsuckers *ca* 10 spec, Australasia

Podol, Bohem villg on Iser, ✕ 26/6 1866

Podolia, govt of S W Russia 16 300 s m, 25,000 inhabs, chf ⊙, Kamimetz

Podophthalmata, zool crust aceans with eyes on movable foot stalks 2 orders, Decapoda & Stomapoda

Podophyllin, ✠, resinous substance fr root of *podophyllum peltatum*, the May apple, America, purgative

Poe, Edgar Allan Amer poet & misc ✓ * 19 1 1809 Boston † 7/10 49 Baltimore, "Tamerlane" 27, "Tales of the Grotesque & Arabesque 40, "Raven &c 45 "Eureka 48 &c

Poet Laureate, *v* Laureate

Poggendorff, J C Germ ♃ * 29/12 1796 Hamburg prof at Leipzig 1830 † 24/1 77 Berlin ✓ With Schweigger constrct galvanometer

Poggio, *v* Bracciolini

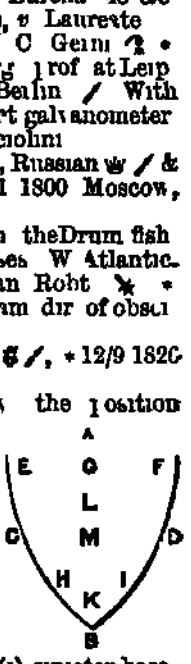
Pogodin, Mich, Russian ♆ ✓ & panslavist, * 11/11 1800 Moscow, † 12/12 75

Pogonias, ichth the Drum fish so called fr its noises W Atlantic

Pogson, Norman Robt ✱ * 23/3 1829 Nottingham dir of observ at Madras 60

Pohl, Richard, ♆ ✓, * 12/9 1826 Leipzig

Point, heraldry the position on an escutcheon of any figure or charges Chief Points are (A) the chief (B) the base, (C) dexter side (D) sinister side, (E) dexter chief, (F) sinister chief, (G) middle chief, (H) dexter base, (I) sinister base, (K) middle base (L) honour P, (M) centre or fesse P



Point d'appui, ✕ & general (Fr) = point of support basis

Point-de-Galle, ⚓ ⊙ S W Ceylon, 50 000 inh

Pointer, Span var of domestic dog which "points" to game with outstretched muzzle & rigid tail brought to Eng *ca* 1688

Poisons, ✠, divd into (1) irritants (2) narcotics, (3) narcotico acrids or narcotico irritants, producing combination of the symptoms of (1) & (2) (4) septics, bites or stings of anims, &c Metallic & veget P s act upon plants only as upon anims

Poitiers, Poictiers chf ⊙ of Fr dept of Vienne 32 000 inh, univ & cathed, in which Richd C de-Lion is buried, anctly Pictavium, ✕s 8/10 1792 & 19/9 1856 King John of Fr deftd by Black Prince

Poitou, old prov of Fr now almost represented by departmnts of Vienne, Deux Sevres, Vendee Cel for gigantic asses, used as mule sires

Pol, Vinzenz, Polish poet ✓, * 1807 near Lublin, † 78 Cracow

Pola, Austr ⚓ ✠ on Adriat, cathedral, arsenal, 26,000 inh

Polacca, 1] ♨, a melody imitatg Polish dance tunes 2] ⚓, triple pole masted Medit vessel

Poland, former kngdm of Eur, fnded by Mieczyslaw in 10th cent 288,000 s m in 18th cent, 18 000,000 inh Sclavonic, 1st partitioned 1772 by Russ, Pruss, & Austr another partition 93, aft resistance headed by Kosciusko, final divsn 95 Stanislaw Augustus abdicatg 25/11 95 insurrectns 1846, 48, 61 63 Russ P (deprived of its constitutn 1830, of its separ govt 64), 320,500 s m, divd into kngdm of P, & govts of Courland, Grodno, Kiev Kovno Minsk, Moghilev, Podolia Vilna, Vitebsk, Volhynia Prussian P 26 000 s m, Austr P, 35 000 s m

Poland, kingdom of, district of Eur Russia, 49 200 s m 7 600 000 inh, chf ⊙, Warsaw, divided into 10 governments

Polar Circle, *v* Arctic Circle

Polarisation of Light, process of rendering the undulatns of the etherial medium stable in some one form of orbit (rectilinear, elliptical or circular), by passing light thro a cryst or other subst (a polariser)

Polarity, physics, the disposition in molecules, magnets, &c to place their axes in a partic directn.

Polder, water meadow, land reclaimed from the sea

Pole, 1] Reginald †, * 1500 Stoverton Castle, Staffs, opposed Hy VIII s divorce & withdrew to Italy, made cardinal, Papal leg to Fr 37, declined to be Pope 49, leg to Eng 54 (Hy havg died) arch bp of Canterbury & chanc of Oxf & Camb Univs 56, † 18/11 58 Lambeth Palace ✓ "Pro Unitate Ecclesiastica." 2] Michael de la, earl of Suffolk Eng statesm; Chanc 1383 peer 85, charged w treason, fled to Paris, † there 89

Pole, Rod, or Perch, Brit lineal measure = 5½ yards

Polecat, or Fitchet, zool, *putorius fœtidus*, of weasel fam, with glands near root of tail that emit offensive odour Arct & temp Eur

Polenta, meal pudding of maize or chestnuts

Pole-star, ✶, Polaris double star 1½° from the N celest Pole, in tip of tail of Ursa Minor, in line w the pointers Merak & Dubhe

Poles, 1] ○ the ends or pivots of the earth s axis (imag line about which earth revolves), called N (Arctic) & S (Antarctic) P s 2] ✶ points in the heavens around wh all the fixed stars appear to revolve reached by extending the earth s axis in both directions. 3] Opposite ends of a magnetic bar, where attraction is strongest *v* Magnetism

Polidoro Caldara, *v* Caravaggio

Polignac, 1] Jules Aug A M, prince de, Fr statesm, * 14/5 1780, ambass to Eng 23, For Min 29, Presdt of Counc 29, fled 30, sentenced to life imprist by Chamb of Peers 30 released 36, † 29/3 47 Paris 2] His bro, Armand Jules M H, duc de * 1/7/1 1771, † 30/3 1847

Polish Language, branch of Slavonic mixed w Lat, Germ, & Fr has 44 letters, 8 declensions, & 3 genders. Grammar by Pohl Literature may be divided thus (1) 13–15 cents, period of rhyming chronicles (2) 16th cent, golden age, Kochanowski, Klonowicz, &c; (3) 17th to middle of 18th cent, patriotic age Kochowski Potocki, &c (4) 1750–1825, period of depression, (5) revival, Mickiewicz, Krasinski Kraszewski, &c

Political Economy, science of production, national management, & distribution of wealth

Politzer, Ad, Austr ✠ & aurist, * 1835 Alberti.

Poliziano, Angelo (Ambrogini), Italian poet. & ✆ ✓, & scholar, * 14/7 1454 Montepulciano, † 24/9 94 Florence.

Polk, Jas. Knox, Amer. statesman, * 2/11 1795 Mecklenburg, N. Carolina; govr. of Tennessee 1839, Presdt. U.S. 45–9, annex. Texas 45, † 15/6 49 Nashville.

Polka, ♪, dance in 2/4 time, introduced from Bohemia into Eng. 1843.

Polko, Elise, *née* Vogel, ✓, * 31/1 1823 Leipzig.

Pollack, or Pollock, ichth., *gadus pollachius*, of cod fam.; common on Brit. coasts.

Pollan, or Powan, ichth., *coregonus pollan*, edible fish peculiar to Irish lakes, resembling herring.

Pollen, ✿, the male element in a plant, contained in anther; fertilises the seed.

Pollio, Asinius, Rom. orator, poet, & ♛, * 76 B.C. Rome; consul 40, † A.D. 4.

Pollock, 1] Fredk., Eng. ⚖, * 23/9 1783 London; senior wrangler Camb., K.C. 1827, Atty.-Genl. 34, 41, Chf. Bar. of Exchequ. 44–66, bart. 66, † 22/8 70. 2] His s., Chas. Edwd., ⚖ * 21/10 1823; Q.C 66, Bar. of Exchequ. 73, kntd. ✓.

3] Wm. Fredk., eld. son of 1 ⚖ & misc. ✓, * 1815 London; Queen's Remembrancer 74, &c.

4] Fredk., eld. son of 3 ⚖, * 10/12 1845; Prof. of Jurisprudence Univ. Coll. 82–3, at Oxf. 83, of Comm. ⚖ to Inns of Crt. 84. ✓. 5] Walt. Herries, *bro. of 4, misc.* ✓, * 1850 London; edtr. of *Sat. Review* 84.

6] Geo., bro. of 1, Ind. offr., * 1786; relieved Jelalabad 15/4 1841, entrd. Cabul 15/9 41, G.C.B., director of E.I.C. 58–60, field-marsh. 70, Constable of Tower 71, bart. 72, † 6/10 72, buried Westminster Abbey.

Pollok, Robt., Scot. poet. & misc. ✓, * 1798 Eaglesham, † 15/9 1827 Southampton. "Course of Time" 27.

Pollux, *v.* Castor & Pollux.

Pollux, Julius, Grk. grammarn., * Naucratis, † *ca.* 200 Athens.

Polo, hockey played on horseback, introd. from Ind. 1872.

Polo, Marco, Ital. travlr. & ✓, * 1256 Venice; to China w. fath. & uncle 65, returned 98, † 1323 Venice.

Poltava, or Pultowa, ⊙ of Eur. Russ., cap. of prov. of P., 440 m. S.W. of Moscow; 32,000 inh.; 4 annual fairs; ⚔ 9/5 1709, Chas. XII. of Sweden deftd. by Peter the Grt.

Polwhele, Richd., Ψ & topog. ✓, * 1760 Truro, † 1838.

Polyanthus, *v.* Primula.

Polybius, Grk. ♛ ✓, * *ca.* 204 B.C. Megalopolis, Arcadia, † *ca.* 122.

Polycarp, †, * *ca.* 71 Smyrna (?); discip. of St. John, bp. of Smyrna, martyred *ca.* 155; ✓ of Epistles & Homilies. Fest. 26/1.

Polycletus, Greek ✆ & ▲ 5th cent. B.C., * Sicyon.

Polycotyledons, ✿, plants w. more than 2 cotyledons. *v.* Cotyledon.

Polycrates, tyrant of Samos 535 B.C., crucified 522 Sardis.

Polygala, ✿, milkwort, typ. gen. of *polygalaceæ*, incldg. *P. vulgaris*, the com. M.; *P. uliginosa* or *austriaca*, Austrian M.

Polyglotta Biblia Waltoni, the Polyglot Bible edited by Brian Walton, bp. of Chester (* 1600, † 61), & published 1654–7.

Polygnotus, Grk. ● *ca.* 463–10 B.C., * Thasos.

Polygon, geom., any straight-lined fig. w. more than 4 sides. A regular P. has all sides & angles equal.

Polygonaceæ, or Polygoneæ, ✿, buck wheats, ord. of hypogynous exogens, herbs, rarely shrubs, world-wide distribution; 490 specs., 29 gen., 4 tribes: *eriogoneæ, polygoneæ, triplareæ, brunnicheæ*; includes rhubarb.

Polyhedron, geom., any solid bounded by many plane surfaces.

Polymnia, or Polyhymnia, Muse of singing & rhetoric, dau. of Jupiter & Mnemosyne.

Polynesia, ⊙. islds. of the Pacif., now genlly. divid. into *Melanesia:* New Brit., Solomon Islands, Q. Charlotte Islds., New Hebrides, New Caledonia, Loyalty & Fiji Islds.; *Polynesia:* Tonga, Samoa, Cook, Society, & Marquesas Islds., &c.; *Micronesia,* N. of Melan. & N.W. of P., all sm. islds; & *Sandwich Islands.*

Polyphemus, Grk. myth., chief of Cyclops, who slew Acis because he was preferred by Galatea, & whose 1 eye was put out by Ulysses.

Polypi, zool., class of radiated animals w. many prehensile organs radiating from mouth only.

Polypodium, ♁, gen. of fern, 390 specs., chiefly trop.; 4 Brit.: *P. vulgare,* com. P.; *P. phegopteris,* Pale Mountain P.; *P. dryopteris,* Tender Three-branched P.; *P. alpestre,* Alpine P.

Polypterus, ichth., a livg. gen. of ganoids; trop. Afr.; only 1 spec., *P. lichir,* *ca.* 4 ft. long.

Polyxena, dau. of Priam, sacrificed at grave of Achilles.

Polyzoa, zool., class of invertebrates, genlly. living in compound masses; produced by repeated buddings fr. the primitively single individ.; each colony so formed is a *polyzoarium,* & each member a *polypide,* living in *cell.* Male & female reproductive organs usually combined in same individual.

Pomare, sevrl. kings & queens of Tahiti, incldg. P., * 1811, succ. 27, und. Fr. protection 47, † 17/9 77.

Pombal, Sebast. José Cavalho e Mello, marq. de, Portug. statesm., * 13/5 1699 Soura; amb. to London, Sec. of State 50, Pr. Min. 57, exiled 77, † 5/5 1782.

Pome, ♁, a compd. fleshy fruit, of parchmt.-like texture, inclosed in a fleshy edible pulp; *e.g.,* apple, pear, quince.

Pomegranate, ♁, fruit of *punica granatum,* 15–25 ft. high; N. Africa & W. Asia.

Pomerania, maritime prov. of Pruss.; 12,130 s.m., 1,600,000 inh.; an indp. duchy till 1648, when it was divd. between Sweden & Brandenburg; the Swed. part, awarded to Denmk. 1814, being exchanged by Pruss. for Lauenberg 15; chf. ⊙, Stettin.

Pomfret, John, Eng. poet, * 1667, † 1708.

Pomona, Rom. myth., goddess of fruit-trees.

Pompadour, Jeanne A. Poisson, marq. de, * 29/12 1721 Paris; m. M. Normay l'Étoiles 41, mistress of Louis XV. 45, great political influence, † 15/4 64 Versailles.

Pompeii, anct. ⊙ of It., at foot of Vesuvius, overwhelmed (w. Herculaneum & Stabiæ) by eruption 24/8 79; site discovered 1689, excavations begun *ca.* 1750.

Pompey (C. Pompeius Magnus), Rom. genl., * 106 B.C.; pro-consul Spain 75, consul w. L. Crassus 70, democrat. ldr., triumvir 60, again consul w. Crassus 55, conflict w. J. Cæsar, deftd. at ✕ Pharsalia 48, to Egypt, murd. there same yr. Two sons put to death; Cneius by J. Cæsar *ca.* 45, Sextus by Augustus *ca.* 35.

Ponce de Leon, Fray Luis, Span. August. monk & † lyr. ♪, * 1527 Granada, † 23/8 91 Madrigas.

Poncelet, J. V., math., * 1/8 1788 Metz, † 23/12 1867 Paris.

Poncho, cloak used in Chili & Peru.

Pond, John, Eng. ✕, * 1767; ✕-royal 1811, † 7/9 36 Blackheath.

Pondicherry, chf. Fr. settlemt. in Ind., on Coromandel Coast; 112 s.m., 150,000 inh. Chf. ⊙, P.; 1st settled 1674, thrice captured by Brit., last time 1793, restored to Fr. 1816; 50,000 inh.

Pondoland, *v.* Transkeian Territories.

Pond-weed, ♁, gen. of aquatic herbs; *ca.* 50 specs., many British.

Pongo, old name for orang-outang (*q.v.*).

Poniatowski, Joseph, Prince, Polish genl., * 7/5 1762 Warsaw; leader of struggle agst. partition of

Pol., servd. und. Kosciusko 94, Pol. War Min. und. Napol. I., who made him marshal on fld. of Leipsic 16/10 1813, drowned 19/10.

Pons Asinorum, Lat. = Asses' Bridge; 5th proposition of 1st book of Euclid, so called because it is the 1st difficult proposn. in Euclid.

Ponsard, Franç., Fr. ✆ ✓, * 1/6 1814 Vienne; Fr. Acad. 65, † 7/1 67 Paris.

Ponsonby, 1] Hy. Fredk., Brit. genl., * 1825 Corfu; at Sebastopol & in Canada w. Grenadier Guards, private sec. to Queen 70, Keeper of H.M. Privy Purse 78.

2] Sir Frederick Cavendish, K.C.B., Brit. cavlry. offr., * 1783; thro' Penins. War & at Waterloo, † 1837. 3] Geo., Irish ⚖ & statesm., * 1755; Irish Chancellor 1806, † 17. 4] Sir Wm., Brit. offr., * 1782, † 18/7 1815 at ⚔ Waterloo.

Pont, Robt., Presbyterian †, * 1525, † 1606. ✓.

Pontano, Giov., Ital. statesm. & schol., * 1426, † 1503.

Pontefract, ⊙ Yorksh.; 16,000 inh.; rets. 1 M.P.; castle blt. 1069.

Pontevedra, marit. prov. of Spain, on Atlant. coast; 2,800 s.m., 460,000 inh. Chf. ⊙, P.; 5,000 inh.

Pontifices, Rom. ☸, chf. priests, whose presdt. was the Pontifex Maximus. Aft. Tiberius the Emp. was the P. M. Pope of R. now called Pontiff.

Pontine Marshes, low marshy plain in S. part of Campagna, Ital., called by Roms. Pomptinæ or Pontinæ Paludes.

Pontormo, Jac. C., Florentine ☸, * 1494, † 1558; his "Venus & Cupid" discovd. at Florence 1850.

Pontus, anct. ☸, distr. of As. Minor, along coast of Black Sea; formed into a kingdom 4th cent. B.C., became Rom. prov. temp. Nero.

Pontus Euxinus, Black Sea (q.v.).

Poodle, var. of domestic dog, [illegible] called barbet.

Poole, 1] John. ✆ & misc. ✓, * Pry 25, Little Pedlington 39. 2] Paul F., ☸, * 1806 Bristol; R.A. 61, † 22/9 79. 3] Reg. Stuart, numismatist & Egyptol., * 27/2 1832 Lond.; Keeper in Coin Dept. of Brit. Mus. 70. ✓ "Coins of the Ptolemies," &c.

4] Stanley Lane, neph. of 2, numis. & orientalist, * 18/12 1854 Lond. ✓ "Brit. Mus. Catalogue of Orient. Coins" 75–88, &c.

5] Matt., †, * 1624 York; ejected fr. Eng. Ch. 1662, † 79 Amsterdam. ✓.

Poona, distr. of the Deccan, Brit. Ind.; 5,099 s.m., 910,000 inh. Cap. ⊙, P., on ⚓ Muta; ⚒; seat of Bombay Govt. in hot months; silver & gold jewellery; 95,000 inh.

Poor Laws, ⚖. Up to temp. Hy VIII. support of poor was undertaken by Church; 1st compuls. P. L. was passed 1535 on dissolution of monasteries. Germ of present P. L.s was contained in 43 Elizab. c. 2 (1601), appointing overseers & directing parishes to relieve the blind, lame, & infirm. Workhouse system commenced 1722. To relieve pressure of pauperism 4 & 5 Wm. IV. was passed 1834, appointg. Central Bd. (merged in Loc. Govt. Bd. 1871), dividing country into unions, & requiring a workhouse to be blt. in each. Unions controlled by Guardians elected by ratepayers (v. Overseer). P. L. was passed for Ireld. 1882, for Scot. (where outdoor relief is the rule) 1845.

"Poor Richard," pseud. of Benjamin Franklin.

Poornea, Indian statesman, Mahratta Brahmin; for many yrs. Chief Minister of Mysore, † 1782.

Pope, 1] Alex., Eng. poet, * 21/5 1688 Lond., † aft. life wh. was "one long disease" 30/5 1744 Twickenham; a Roman Cath. ✓ "Pastorals" 09, "Essay on Criticism" 11, "Rape of the Lock" & "Messiah" 12, "Windsor Forest" "St. Cecilia's Day" 13, "Iliad" 20, "Odyssey" 25, "Dunciad" 28, "Essay on Man" 32–4, "Correspondence" 35–6, "New Dunciad" 42–3, &c. 2] John, U.S.A. genl.,

* 1828; comd. Army of Virginia in Civ. War, several defts. (includg. that at Bull's Run); superseded.

3] Sir Thos., fnder. of Trin. Coll. Oxf., * 1508, † 58.

Pope, ✝, a title (*papa* = father) accord. to bps. indiscriminately till 1076, when it was reservd. by Council at Rome to the bp. of R., to whom it is specially applic. as "Supreme Pontiff of the Univ. Ch." Origlly. the P. was elected by priests & people of the diocese of R.; in 11th cent. right was conferred upon cardinals, subject to ratification by people; since 1227 no ratific. has been required. An Ital. card. has nearly always been chosen. A majority of ⅔ is necess. to election, which is conductd. in strictest secrecy. From 755 to 1870 the P. was a temporal prince (*v.* Papal States). For the various P.s, *v.* name of each.

Popham, Sir John, Brit. ⚖, * 1531; Speaker & Att.-Genl. 81, Chf. Just. of King's Bench 92, † 1607.

Popinjay, a parrot, woodpecker (?), or jay (?); a mark to shoot at.

Popish Plot, Eng. ♆, fabrication of Titus Oates 1678, alleging that Chas. II. was to be assassind. by Roman Catholics.

Poplar, ♣, the gen. *populus*; N. temp. zone; 18 specs., 2 indig. to Brit. (*P. alba*, Great White P. or Abele; & *P. tremula*, Trembling P. or Aspen). *P. nigra*, Black P., has been naturalised; Lombardy P., *P. fastigiata* (the tall straight var. w. erect branches); Canadian P., *P. canadensis*.

Poplin, a silk & worsted stuff, watered, figured, brocaded, or tissued; mnf. introd. into Ireland by Huguenots 17th cent.

Poppy, ♣, gen. *papaver*, N. temp. zone. The unripe head of the White P., *P. somniferum*, yields opium; seeds yield a culinary oil. Many specs., like the common Red P., occur as weeds.

Porcelain, a semi-transparent material intermed. betw. glass & pottery. Its mnf. began in China betw. 185 B.C. & 87 A.D., & reached perfectn. *ca.* 15th cent.: 1st import. into Eur. 1520, & began to be made there early in 18th cent.; in Eng. *ca.* 1768.

Porch, ⚓, school of the Stoics: so called because Zeno, its founder, taught in the painted P. at Athens.

Porcupine, zool., any individ. of fam. *hystricidæ*, div. into *hystricinæ* (Old-World or true P.s) & *sphingurinæ* (New-World P.s). Common P., *hystrix cristata*, S. Europe & N.W. Africa.

Porcupine, Peter, pseud. of Wm. Cobbett.

Pordage, Saml., Eng. satir. poet, ✆, & misc. ✓, contemp. & opponent of Dryden.

Pordenone, Giov. A. (L. Regillo), Ital. ☻, * 1483 Pordenone, † 0/1 1539 Ferrara.

Porphyry (real name Malchus), Grk. Neo-Platonic ⚓, disciple of Plotinus, 3rd century; ✓ against Christianity, &c.

Porphyry, ⚒, any rock in which feldspar crystals are individually developed.

Porpoise, zool., gen. *phocæna*, marine fish-like mammals; esp. *P. communis*, common P.; blubber yields oil. P.-hides usually fr. the White Whale, *delphinapterus leucas*.

Porpora, Nicc., Ital. ♪, * 19/8 1686 Naples, † there 1767; operas, &c.

Porsena, Lars, Etruscan k., 6th cent. B.C.; tried to restore Tarquinius Superbus to Rom. throne.

Porson, Richard, Grk. schol., * 25/12 1759 East Ruston; Grk. prof. at Camb. 98, edited Æschylus & Euripides, restored last 26 lines of Rosetta Stone, † 25/9 1808 London.

Port, ⚓, modern name for larboard.

Porta, Giambattista della, Ital. naturalist, * 1540 Naples, † 1615; ✓ on physiognomy, &c.

Portalés, Jean E. M., French statesm., * 1746 Beausset; imprisd. during Revolution, Min. of Religion under Napoleon, † 1807.

Port-au-Prince, *v.* Hayti.

Port Elizabeth, ⚓ ⊙ Cape Colony, on Algoa Bay; 16,000 inh

Port Jackson, bay of the Pacific, near Sydney, N. S. Wales

Port (or St.) **Louis,** *v.* Mauritius.

Port Natal, *v.* Natal.

Port Philip, bay on which ⊙ of Melbourne stands, 35 × 25 m., 2 m. broad at entrance

Port-Royalists, †, Jansenists, so called because some eminent J s were connected with the convent of P. Royal des Champs.

Port Said, *v.* Suez Canal

Portcullis, ancient ♛, frame of wood or iron, suspended over a gateway, to be let down in emergency

Porte, the Turk court & govt

Porteous, 1] Capt. John, Brit offr., hanged by mob at Edinb 7/9 1736 for ordering his men to fire on the people at an execution. 2] Beilby, *v.* Porteus.

Porter, dark malt liqr., once the favourite drink of London porters.

Porter, 1] Jane, ♛ novel ✓, * 1776 Durham, † 50 Bristol. "Thaddeus of Warsaw" 1803, "Scottish Chiefs" 09, &c. 2] Her sist., Anna M, nov. ✓, * 1781, † 21/6 1832 3] Their bro, Sir Robt. Ker, *v.* Ker Porter. 4] Geo Richardson, statist. ✓, * 1792, † 1852. 5] J. L, Irish † & ✓, * 4/10 1823 Burt; moderator of Presby Genl. Assem 75, presdt. of Q.'s College, Belfast, 78.

6] Noah, Amer. † & ☠, * 14/12 1811 Farmington, Conn, prof. of metaph & moral ☠ at Yale 46, president of Yale 71. ✓

Porteus, Beilby, †, * 1731 York; bp. of Chester 76, of London 87, * 1808. ✓.

Portia, dau. of Cato, wife of Brutus; † by succ. 42 B.C., after latter's defeat.

Portland, Wm. H. Cavendish Bentinck, 3rd dk. of, statesm, * 1738; succ as dk 62, Irish Lord-Lieut. 82, Premier 5/4–17/12 83, Home Sec 94–1801, President of Council. 01–05, Premier 07–09, † 09. *v* Bentinck.

Portland Beds, ⚒, series of B.s, 180 ft thick, of Upper Oolitic age, found chiefly in Isle of P, & containing *ca* 50 spec of molluscs.

Portland Cement, ⚗, Thames mud & chalk, heated, then ground to powder, like P. Stone in colour.

Portland Isle, rocky peninsula on Dorset coast, 4 × 2 m.; breakwater 1849–72; convict prison 1848; castle *ca.* 1536; *ca.* 11,000 inh.

Portland Stone, ▲, a free-stone quarried in Isle of P, fr. the 1st 2 of the P. Beds (*q.v.*), largely used in St. Paul s

Portland Vase, a cinerary urn of dark-blue glass, fnd. 1630 in tomb of the Emp. Alex. Severus, & acqd. by the Duchess of P.; in Brit. Mus

Porto Rico, Span. W Ind. isld., one of Greater Antilles, discovrd by Columbus 1493; 3,550 s m., 650,000 inh; sugar, coffee, rum. Cap. ⊙, San Juan.

Portreeve, chf mag. of a town, esp. of a port

Portsea Island, sm. I. 3½ × 2½ m, separ. from coast of Hants by narrow channel; on S.W. lie Portsmouth & Portsea, forming, with Landport & Southsea, 1 parliamty. borough; 130,000 inh., 2 M P.s. Portsmouth Dock yd. estabd. by Hy. VIII.; its harbour 4 × 2 miles, ⚓s

Portsmouth, *v.* Portsea Island.

Portugal, kingdom of Eur., part of Iberian Penins., 360 m. N to S., 100 m. E. to W.; 34,606 s.m, 4,310,000 inh. (exclus. of the Azores & Madeira, 1,237 s.m, 405,000 inh.). Cap. ⊙, Lisbon. *Products:* cereals, flax, hemp, wine, olives, oranges, lemons, citrons, figs, almonds, ⚓s. *Expts.*, £4,780,000 (wine 50 per c. of total), to U.K. & colons £2,780,000. *Impts.*, £7,600,000; from U.K. & colonies £2,800,000. Army: peace 33,000, war 125,000, 264 guns. Fleet: 39 steamers, 16 sailing ships, 3,400 men. Rlys. 1,000 m. Revenue *ca.* £7,000,000, expend. *ca.* £8,800,000; debt £132,600,000. *Colonies:* Cape Verde Islands, Portuguese Guinea, part of Dahomey (no jurisdiction),

St. Thomas & Principe Islds., Angola, Mozambique, Goa, Daman, Diu, Timor, Macao; 204,848 s.m., 2,500,000 inh. ♛: Rom. province und. Augustus; overrun by Alani, Suevi, & Visigoths; conqd. by Moors 8th cent.; subject to Ferdinand I. of Castile 11th cent.; Alfonso I. deftd. Moors & formed indepdt. kingdom 1139; Lisb. taken 1143 w. Eng. aid; colonising expeditions 15th & 16th cents.; subject to Spain 1580–1640; John, Duke of Braganza, k. 1640–56; Fr. occupation 1807, seat of govt. being removed to Brazil; present constitn., w. 2 chambers, together called the Cortes, 1836; present k., Luis I., * 31/10 38, succ. 6/10 62.

Portuguese Language, brnch. of Romance, w. additns. fr. Arabic & Celtic. Chf. poet. ⁄s, Camoens, Nascimento, Bocage.

Portuguese Man-of-War, zool., pop. name of *physalia urticalis*, of class *hydrozoa;* consisting of a large oblong air-bag, w. pendulous tentacles; stings like a nettle.

Portus, 1] Francis, Greek class. edr., * 1511 Crete; class. prof. at Padua, † 81. 2] His son, Æmilius, class. editor, * 1551, † 1612.

Poseidon, *v.* Neptune.

Posen, Polish prov. of Prussia; 11,330 s.m., 1,700,000 inh.; chf. ⊙, P., ♔, at confluence of ⅄s Prosna & Wartha, 62,000 inh.; annual fairs; cathed.; archbp.

Posidonius, Grk. Stoic ⅄, * 135 B.C.; founded school at Rhodes, taught Pompey & Cicero, † 51.

Positivism, the system of ⅄s & † founded by Comte, wh. denies metaphysics, refuses to seek for 1st or final causes, & claims to stand on the "positive" sciences (mathematics, ⅄, physics, ⅄, biol., & sociol.). Its object of worship is collective man.

Posse comitatus, ⅄s, Lat. = power of the county; all knights & other able-bodied males over 15, whom a co. sheriff may call upon to suppress riot, &c.

Post facto, Lat. = aft. the deed.

Post meridiem, Lat. = after noon; contracted to P.M.

Post mortem, Lat. = after death.

Post obit. = Lat. *post obitus* = after death.

Post Office, estab. by Jas. I. 1619 for the chf. roads of Eng. & Scot.; a regular weekly P. for the whole kingdom 1648; generally penny P. estabd. 10/1 1840, savings bank added 61, telegs. acqd. 69, parcels post estabd. & 6d. telegrams introduced 85.

Post Tertiary, ⅄, deposits more recent than upper division of Tertiary; divd. into Pleistocene & Recent. *v.* Geology, Plate.

Postal Union, formed 1/7 1875; all European States belong to it, w. U.S.A., Egypt, & other countries. Last quinquennial P. Congress 1885, at Lisbon.

Poste restante, Fr. = resting (undistrib.) post; letters so marked are kept at P. Office till the addressee calls.

Postulate, ord. lang. an assumption; geom., a self-evident problem; less general than an axiom.

Pot Pourri, Fr., 1] a stew of var. meats & vegetables. 2] A mixt. of rose-leaves & spices. 3] ♆, a medley.

Potash, ⅄, impure carbonate of potassium, consistg. of the ashes of burnt leaves, twigs, &c., treated w. water. If P. is strongly heated, a whiter product (pearl-ash) is obtained.

Potash (Caustic), Potassium Hydrate, or Potassium Hydroxide, ⅄, proded. by dissolving protoxide of potassium in water; but generally prepared by adding 2 pts. of quicklime, slaked w. water, to a solution of 1 part of carbonate of potass. in 12 parts of water, & boiling the mixt. Aft. fusion it is white, hard, brittle; spec. grav. 2·1; a powerful caustic, & decomposes most metall. salts. Symbol, KHO.

Potassium, ⅄, monad metallic element discvd. by Davy 1870, &

widely diffused in each of the 3 natur. kingdoms, usually combined w. acids; proded. by distilling in an iron retort mixture of charcoal & carbonate of P., or by igniting crude tartar in a covrd. crucible; a soft bluish-white met.; spec. grav. ·865 (lightest except lithium), at. weight 39; symb., K; violently decomposes water, forming Caustic Potash. *v.* Nitre.

Potato, ✱, *solanum tuberosum*, nat. of Chili & Peru, said to have been brought to Spain early in 16th cent., to Eng. (by Raleigh) 1586 fr. Virginia. P. Disease is caused by a fungus, *peronospora infestans;* prob. predisposing causes, excess of wet, over-manurg., cuttg.-up of seed Ps.

Potemkin, Gregory A., Russ. statesm. & genl., * 1736 Smolensko; made prince, Prime Min., & field-marshal by Cath. II.; took the Crimea from Turk., re-organised army, † 16/10 91.

Potentilla, *v.* Cinquefoil.

Potenza, Italy, chief ⊙ of prov. of P.; 19,000 inh.; Doric cathedral.

Pothier, Robt. J., Fr. jurist, * 1699, † 1772; ✓ of "Pandectæ Justiniæ in Novum Ordinem Digestæ," basis of Code Napoléon.

Potomac, ⅄ of U.S.A., risg. in Appalachian ▲s, fallg. into Chesapeake Bay; 400 m.

Potoroo, or Kangaroo Rat, zool., group of rat-like marsupials, ca. size of rabbit, w. long hind legs & long tail, sometimes prehensile; W. Australia & Tasmania.

Potosi, Bolivia, chf. ⊙ of prov. of P., on Cerro di P.; 23,000 inh., formerly 150,000; silver mines nrly. exhausted.

Potsdam, ✱ ⊙ Brandenburg, Pruss., on ⅄ Havel; 50,000 inh.; Sans Souci Palace (blt. by Fredk. I.), New Palace (Fredk. the Grt.), Charlottenhof (Fredk. Wm. II.), & Marble Palace.

Potstone, ⚒, 1] large flints, w. a nucleus of chalk, found in the Upper Chalk. 2] An impure variety of soapstone or talc.

Pott, Percival, Eng. ✱ & F.R.S., * 1713, † 88; ✓, & inventor of ✱ instruments.

Potter, 1] P. C. H., ✠, * 1792 Lond.; princip. of R.A.M. 32–49, † 26/9 71; overtures & symphs. 2] John, †, * 1674; prof. of † Oxford, bp. of Oxfd., archbp. of Cant., † 1747. ✓. 3] Paul, Dutch ●, * 20/11 1625 Enkhuysen, † 17/1 54 Amsterdam. 4] Robt., † & class. transl., * 1721, † 1804.

Pottery, vessels made from earthy materials, esp. clay. Art dates from pre-✱ times; Chinese early developed skill (*v.* Porcelain), & Egyptns. were adepts 2,000 B.C.; by latter art was communicated to Phœnicians & Assyrians, by these to Grks.; chf. Rom. variety is red Samian ware. After declining, the art was revived in Syria, & spread along N. coast of Afr. to Spain (*v.* Majolica) thence to It. & Fr.; grtly. developed by Palissy 16th cent., & in 18th by Josiah Wedgwood.

Pottinger, 1] Eldred, Brit. ⚔, * 1811; served in Afghanistan, † 1843 China. 2] His uncle, Sir Hy., dipl. & ⚔, * 1789; envoy to China 41, govr. of C. of Gd. Hope 46–7, govr. & commdr.-in-chf. Madras 50–4, † 56.

Pottle, meas. of capac. = 4 pints.

Potwallopers, electors who before 1832 were admitted to franchise if they had "boiled their own pot" in a borough for six months.

Pound, 1] unit of wt., troy & avoirdup. Imp. P. troy, old Eng. standard of wt. = 5,760 grains, or 12 oz.; 1 cubic inch of distilled water, 62° Fahr., barom. being at 30 ins., weighing 252·458 grns. P. avoirdup. = 7,000 grns., or 16 oz. 2] Chief Brit. coin, gold = 20s., or 240d.; wt. 123·27447 troy grains; 40 lbs. troy of gold is coined into 1,869 sovs. In time of Wm. I. a P. wt. of silver was coined into 240 pence; hence name.

Pounds, John, philanthrop., * 1766 Portsmouth, † 1839; cobbler.

Poussin, 1] Nicolas, Fr. ⊕, * 19/7 1594 Andely, Normandy, † 19/11 1665 Rome. 2] Gaspar P., Fr. ⊕, (Dughet), * 1613 Rome; m. sister of 1 & studied under him, † 25/5 75 Rome.

Powan, *v.* Gwyniad.

Powell, 1] Baden, ♃ & †, * 1791; F.R.S. 1824, † 60. / "Differental & Integral Calculus" 29–30, "Relig. & Science" 38, &c. 2] Sir John, ⚖, Judge of K.'s Bench, deprived for refusg. to decide agst. the 7 bps., but restrd. after revol., † 1713. 3] Edwd., R. Cath. †, † 1540.

Powers, Hiram, Amer. ⌕, * 29/7 1805 Vermont; settled at Florence 37, † there 27/6 73.

Powers, Mechanical, ⊕, the fundamental methods of increasg., applying, or modifying force. No force can be created; & if power be gained, speed must be lost in proportion. The first fundamental power is the lever, by which large motion is converted into less motion with more power, or *vice versâ*. The wheel & axle is obviously mere adaptation of lever to a circular motion. The simple pulley is also a lever of second order, in which power is doubled; multiple pulley systems gain power & lose speed in proportion to number of pulleys. In Inclined Plane, power is gained at given moment by increasing moments during wh. the power must be applied. Wedge & Screw are modificatns. of Inclined Plane. *v.* Plate.

Powle, Hy., Eng. ⚖, polit., & Ψ, * 1629; Speaker of 2nd Convention Parlt., Mast. of Rolls aft. Revolutn. of 88, † 92.

Poynet (Ponet), John, Reform. †, * 1516; Prot. bp. of Rochester & Winchester, fled on accession of Mary, † 56.

Poynings' Law, Eng. ♛, passed 1495 by Irish parlt. (convoked by Sir E. P., the k.'s deputy, † 1512) to prevent any Bill being brought in until approved by the English Council.

Poynter, Edwd. John, Eng. ⊕ & ⊕ /, * 20/3 1836 Paris; A.R.A. 69, R.A. 76, Slade prof. at Univ. Coll. 71–6, art director at S. Kensington 75–81. "Ten Lectures on Art" 79.

Pozzo di Borgo, Carlo A., count, Corsican statesm., * 8/5 1764; to Russia 1808, conducted Anti-Napoleonic missns. to various States, Russn. amb. at Paris 18, then at London, † 15/2 42 Paris.

Pozzuoli (anct. Puteoli), ⊙ of It., on E. side of Bay of Naples; 15,000 inh.; Roman remains.

Pradier, Jacq., Swiss ⌕ at Paris, * 1792, † 1852; classical style.

Praed, Winthrop Mackworth, poet. / & polit., * 1802 London; 2 Chancellor's Meds. for Eng. verse at Camb. 23, 24, Sec. to Ind. Board of Control 34–5, † 39.

Præfect, Rom. title of several offrs., ⚔, ⚓, & civil; esp. of *præfectus urbi* = governor of the ⊙.

Præmunire, ⚖, 1] a writ directed orig. against denial of the monarch's relig. jurisdictn., aftwds. agst. other offences. 2] The offence itself. 3] The penalty. Corruptn. of *premoneri* = to be pre-admonished.

Præneste, anct. ⊙ of Latium, 22 m. S.E. of Rome; now Palestrina; 6,000 inh.

Prætor, a magistrate of ancient Rome; at 1st but 1, ultimately 16; at end of yr. of office sent out by lot as governors of provinces.

Pragmatic Sanction, ♛, usually an ordinance fixing the succession to the throne; sometimes used more widely of the answer of the sovereign, under advice of his council, to some order or body of his people; esp. decrees of Louis IX. 1269, of Charles VII. 1438, & of Charles VI. of Germ. 1723 (last settling dominions on Maria Theresa.)

Prague, capital ⊙ of prov. of Bohemia, on ⚓ *Moldau*; 165,000 inh.; annual fairs; cathed. & univ. of 14th cent.; ⚔ 6/5 1747 Austr. defeated by Pruss.; bombarded by

Austr. 1848. On the White ▲, near P. Bohem., Protestants deftd. 8/11 1620.

Prairial, 9th month of French revol. calendar (20/5–18/6).

Prairie, name given by early Fr. settlers in N. Amer. to vast tracts of land, level or rolling, covrd. w. coarse tall grass & flowerg. plants.

Prairie Dog, zool., either of 2 specs. of small Amer. squirrel-like rodents, esp. *cynomys ludovicianus:* named from fancied resemblance of its bark to that of dog.

Pram, Christen H., Dan. poet. & misc. ♂, * 1756, † 1821.

Pratincole, ornith., gen. *glareola* (esp. *G. pratincola*), of small birds, allied to plovers; 9 specs., Old World & Austral., including 2 European.

Pratique, *v.* Quarantine.

Pratt, 1] Chas., *v.* Camden. 2] Sir John, Eng. ⚖, Chf. Justice of King's Bench 1718, † 25. 3] Saml. Jackson, nov. ♂, * 1749 St. Ives, † 1814.

Prawn, zool., gen. of crustaceans, esp. *palæmon serratus;* 4 Brit. species.

Praxiteles, Grk. ⚲, * 392 B.C.; statue of Aphrodite at Cnidus, &c.

Prayer-Book, Book of Common Prayer, liturgy of the Ch. of Eng.; founded on R. Cath. Latin service-books, & esp. on new edit. of Sarum Breviary 1541. King's Primer issued 1545, Order of Communion pubd. 1548, complete book 1549: revised P.-B. adopted 24/6 1559; again revised 1603, 1662.

Prebendary, †, one who receives a stipend (prebend) for officiating in cathedral services.

Precedence, ⚖, is regulated by statutes & letters patent, & by anct. usage; questns. dependg. on latter are settled in Eng. by College of Heralds, in Scot. by Lyon Court.

Preceptors, College of, estab. 1846, incorp. 49, for affording facilities to teachers for acquiring knowledge of their profession; certificates given by a Bd. of Examiners.

Precession of the Equinoxes, ✳, the movement of the points at wh. the earth's equator intersects plane of ecliptic, in a directn. opposite to that in wh. the earth rotates.

Precipitant, ⚗, anything wh., added to a liquid, causes what is held in solution (the precipitate) to sink to bottom.

Predestination, †, doctrine that man's destiny is divinely foreordained.

Predicate, logic, that which is affirmed or denied.

Pre-emption, ⚖, right of buying before others.

Préfet, Fr. ⚖ offr. at head of each deprtmt. w. powers like those of Eng. lords-lieut. & sheriffs combined. A Sous-P. presides over an arrondissement.

Prehnite, ◆, hydrated double silicate of aluminium & calcium; pale green, hard, brittle, translucent.

Preller, 1] E. C. J. F., Germ. ●, * 25/4 1804 Eisenach, † 23/4 78 Weimar. 2] Ludwig, philol., * 15/9 1809, † 27/6 61 Weimar.

Premise, *v.* Syllogism.

Premonstratensian Order, †, the Norbertines; O. of regular canons fnded. by St. Norbert 1119 on St. Austin's rule. At the dissolution of monasteries in Eng. there were 35 P. houses.

Prendergast, H. N. D., Brit. genl., * 15/10 1834; V.C. 59, C.B. 75, led expedition to Up. Burmah 85, K.C.B. 85.

Preposition, grammar, word orig. prefixed to verb, now usually bef. noun or pronoun, expressing relations of space or dependence.

Pre-Raphaelites, ●, brotherhood fnded. 1848 by Holman Hunt, Millais, & D. G. Rossetti to restore the simplicity, truthfulness, & minute carefulness of the ●s prior to Raphael.

Presburg, ⊙ of Hungary, formerly the cap., near ⚓ Danube; 50,000 inh.; 11th cent. cathedral. Peace betw. Austr. & Fr. signed here 1805.

Presbyterianism, †, church govt. by presbyters = elders; divd. into teaching elders (ministers) & ruling (lay) elders, no distinction in authority being recognised between them.

Prescott, Wm. Hickling, Amer. ♛, * 4/5 1796 Salem, Mass.; / "Ferdinand & Isabella" 1837, "Conquest of Mexico" 43, "Conq. of Peru" 47, "Phil. II. of Spain" 55, † 28/1 59 Boston. Life by Ticknor.

Prescription, Eng. ⚖, right arising from prolngd. use, as right of way, of common, &c. Uninterrupted use for 20, in some cases 30, years gives *primâ facie* title; for 60 years an indefeasible title.

Presidency, term applied to any one of the 3 provs. of Bengal, Madras, Bombay.

Pressensé, E. de, Fr. † & statesm., * 27/1 1824 Paris; memb. of Nat. Assemb. 71–5, life senator 88. /.

Prester John, a Nestorian missionary ("J. the Presbyter") 11th or 12th cent., said to have obtained a throne in Asiatic Tartary.

Presto, ♪, Ital. = fast; *prestamente* = very fast; *prestissimo, prestissimamente* = very fast indeed.

Preston, ⊙ of Lancs., at head of estuary of Ribble; cotton mnf. & export trade; *ca.* 100,000 inh.; 2 M.P.s; 4 annual fairs. P. Guild of Merchants, estabd. *temp.* Hy. II., holds a festival every 20 years (last 1882).

Preston, 1] John, Puritan †, * 1587, † 1628. 2] Thos., ⊙ /, * 1537, † 98. *Cambyses.*

Prestonpans, village of Haddington co., 9 m. E. of Edinburgh; ⚔ 21/9 1745, Sir John Cope deftd. by Young Pretender.

Prestwich, J., ⚒, * 12/3 1812 Clapham; presdt. ⚒ Soc. 70–2, vice-presdt. of Roy. Soc. 70–1, prof. of ⚒ Oxford 74. /.

Pretender, one who claims a throne; espec. the Old P. (Jas. F. E. Stuart, son of J. II.) & the Young P. (his son Chas. Edwd.).

Preti, Mattia ("Il Calabrese"), Ital. ● at Naples, * 1613, † 99.

Pretorius, 1] Andries, Boer statesm., * *ca.* 1795; fnded. Orange Free State 1834, deftd. Zulus und. Dingaan 38, outlawed by Brit. Govt. & fnded. Transvaal Republic 48, pardoned 51, † 53. 2] His son, Martinus W., * *ca.* 1830; 2nd President of O. F. State 59, of Transv. Repub. 69–72, memb. of prov. govt. to secure independence 80.

Prevost d'Exiles, Ant. F., Fr. nov. /, * 1/4 1697 Hesdin, † 23/11 1763 Chantilly. / "Manon Lescaut," &c.; transl. some of Richardson's novels.

Prevost-Paradol, L. A., French statesm. & ♛ /, * 8/8 1829 Paris; ambass. to U.S.A. 70, † by suicide 20/7 70 Washington.

Priam, Grk. myth., king of Troy durg. Trojan War; slain by Pyrrhus, son of Achilles.

Priapus, class. myth., god of fertility & obscenity.

Price, 1] Bonamy, / on polit. econ., * 22/5 1807 Guernsey; prof. of polit. econ. Oxford 68, † 8/1 88 Lond. "Practical Pol. Econ." 78, &c. 2] Hugh, fnder. of Jesus Coll., Oxf., † 1574. 3] Richd., Nonconf. † & misc. /, * 1723, † 91. 4] Thos., Welsh Anglican † & / on Welsh /, &c., * 1787, † 1848.

Prichard, Jas. C., scient. /, * 11/2 1786 Ross, † 22/12 1848 Lond. "Physical ♛ of Man" 13, &c.

Prickly Pear, ♨, *opuntia vulgaris*, of cactus fam.; nat. of Amer., naturalised in S. Eur. & N. Afr.; pear-like fruit covered w. prickles.

Prideaux, 1] Humph., †, * 1648 Padstow; dean of Norwich 1702, † there 24. / "Connection of ♛ of O. & N. Test." 15–18. 2] John, †, * 1578; bp. of Worcester, † 1650. /.

Pride's Purge, ♛, the forcible exclusion from the Long Parlt., by ⚔s und. Col. Pride, of membs. unwilling to condemn Chas. I.

Priessnitz, Vinct., fnder. of hydropathy, * 8/10 1799 Gräfenberg, † 28/11 1851.

Priest, †, in Anglican Ch., member of 2nd ord. of clergy, empowered to administer the Holy Commun. & give absolution; in Rom. Ch., member of 3rd grade, who can "offer, bless, rule, preach, & baptise."

Priestley, Joseph, ⚗, ⚭, discoverer of oxygen, & Unit. †, * 13/3 1733 Fieldhead, Leeds; to Birmingham 80, libry. & apparatus brnt. by mob 91, to U.S.A. 94, † 6/2 1804 Philadelphia. ✓ "Natural & Revealed Relig." 72, "Necessity" 77, "Corruptions of Christianity" 82, &c.

Prim, Juan, count de Reus, Span. genl., * 6/12 1814 Reus; drove out Espartero in Progressist interest 43, govr. of Madrid 43, in Morocco 59, command. in Mexico 62, War Minister & virtual Dictator 68, assassinated 16/11 70.

Prima Donna, Ital. = first lady; chief female singer in opera.

Primâ facie, Lat. = at first sight.

Primate, *v.* Archbishop.

Primates, zool., highest Linnæan ord. of class *mammalia*, divid. into (1) *anthropoidea*, incldg. fams. *hominidæ* (man), *simiidæ* (apes, Old-World monkeys, baboons), *cebidæ* (Amer. monkeys), & *hapalidæ* (marmosets); & (2) *lemuroidea*, fams. *lemuridæ* (lemurs), *tarsidæ* (tarsiers), & *chiromydæ* (aye-ayes).

Primaticcio, Francesco, Ital. ⚉ & carver in France, * 1504; completed gallery at Fontainebleau, † 70.

Prime, Rom. †, the 1st of the lesser or canonical hours, succeeding lauds.

Primitive Methodists, offshoot of Wesleyans, fnded. by Hugh Bourne 1810; *ca.* 200,000 members.

Primogeniture, ♛, inheritance by eldest son, in cases of intestacy, of all the real estate; daughters, if there be no son, inherit equally.

Primrose, *v.* Primula.

Primrose League, soc. fnded. 1883 for spread of Conservatism; *ca.* 650,000 members—knights, dames, & associates.

Primula, ✿, typ. gen. of primworts; 5 Brit. specs.: *P. vulgaris*, common primrose; *P. elatior*, oxlip; *P. veris*, cowslip; *P. farinosa*, bird's-eye P.; *P. scotica*, Scot. P. The Polyanthus is believed to be derived from common P.

Primum mobile, ✳, Lat. = the first mover; an imag. sphere in the Ptolemaic syst., revolving from E. to W. in 24 hours & bearing w. it the fixed stars & planets.

Primus, the 1st in dign. among Scottish bps.; no metrop. jurisdic.

Primus inter pares, Lat. = first among equals.

Prince, heraldry, a duke, marq., or earl: in ord. lang. confined to male membs. of roy. fam. ("P.s of the blood"). P. of Wales, official title of the Heir-apprnt. since 1300.

Prince, John, misc. ✓, * 1643, † 1723. "Worthies of Devon."

Prince Edward Island, prov. of Canada, seprd. fr. New Brunswick & Nova Scotia by Northumberland Strait; 2,133 s.m., 110,000 inh. Capital ⊙, Charlotte Town; 12,000 inh.

Prince of Wales' Island, *v.* Penang.

Princeton, ⊙ of New Jersey, U.S.A.; 4,000 inh.; college fnded. 1746. ⚔ 3/1 1777, Brit. defted. by Washington.

Pringle, 1] Sir John, Scot. ⚕ & ⚖, * 1707 Roxburghsh.; president Roy. Soc. 72–8, † 82. 2] Thos., Scot. poet. & misc. ✓, * 1788, † 1834.

Prinsep, 1] Hy. Thoby, orientalist, * 1792, † 11/2 1878. 2] Valentine C., ⚉, * 1838; A.R.A. 79.

3] Jas., English numismatist, * 1800; fnded. & edited *Journal of the Asiatic Soc.*, † 40.

Printing, in its earliest form consisted of takg. impressions from engraved blocks; movable types were invented by J. Gutenberg *ca.* 1450; cast metallic types by Schoeffer 59. Art introd. into Fr. 1469, Italy 65, Eng. (by Caxton) 74, Spain 77. Each letter is a sep. type.

Pages of type for one sheet are fastened in iron frame & called a forme. The face of types in the forme is coated with ink by elastic rollers covered with ink, & the impression is taken on the paper either by a flat press (by hand or steam) or by cylinder presses, where the paper passes round a cylinder covered with blanket, & is thus rolled with pressure over the types. *v.* Plate.

Prior, †, one who rules a convent absolutely or und. an abbot.

Prior, 1] Matt., poet & diplom., * 21/7 1664 Wimborne; sec. to embassy Hague, &c.; imprisd. for 2 yrs. for alleged share in Treaty of Utrecht, † 18/9 21. ✓ "City & Country Mouse" (w. Halifax) 1687, "Carmen Seculare" 1700. 2] Sir Jas., Irish ♪ & misc. ✓, * 1790 Lisburn, † 14/11 1869.

Priscillianists, †, followers of Priscillian, Span. bp. of 4th cent., resemblg. Manichæans (*q.v.*); died out 6th cent.

Prism, 1] geom., a solid with similar & parallel bases, its sides formg. similar parallelograms. 2] Optics, a transparent medium comprised between plane faces.

Privateer, ship of war equipped by a private person or persons, & licensed by Govt., for seizing vessels of a hostile nation. Privateerg. was abold. among Europ. nations by Treaty of Paris 30/3 1856.

Privet, ✿, gen. *ligustrum*, esp. *L. vulgare.*

Privileged Debts, £t, D.s payable before others; *e.g.*, rates, servants' wages.

Privileges, Committee for, a C. of the Ho. of Lords for dealing w. claims to a title of nobility; composed of Ld. Chancellor, ex-Ld. Chancellors, Lords of Appeal, & Chairmen of Committees.

Privy Council, council chosen by the monarch to administ. public affairs; office now practically exercised only by those memba. who are ministers of the Crown. *v.* Cabinet.

Privy Seal, Lord, *v.* Keeper of Privy Seal.

Pro bono publico, Lat. = for the public good.

Pro forma, Lat. = for form.

Pro hac vice, Lat. = for this (or that) occasion.

Pro rata, Lat. = in proportion.

Pro tempore, Lat. = for the time being; usually *pro tem.*

Proa, ⚓ narrow sail-canoe with no diff. betw. ends, but one perp. side, kept upright by floating outrigger; Ladrone Islands.

Probabilism, Rom. †, doctrine that of 2 opinions the less probable may be followed.

Probabilities, Theory of, math., doctrine of chances; likelihood of the occurrence of an event.

Probate, £t, official proof of a will, wh. must in Eng. be taken out within 6 months of testator's death at princpl. Registry, Somerset Ho., or at one of the district R.s.

Probate Court, *v.* High Court of Justice.

Proboscidea, zool., order of *mammalia* with only 1 living gen., elephants: no canine teeth, molars few & large, incisors developed into long tusks, nose prolonged into trunk.

Probus, M. A., Rom. Emperor 276-82, slain by his own ⚔s.

Procès-verbal, Fr. £t, detailed statement of facts.

Procida, Giov. da, Sicil. patriot, * 1225, † 1803 Rome.

Proclus, Grk. Neo-Platonic ✱ at Alexandria & Athens, * 412 Byzantium, † 85 Athens. ✓.

Pro-consul, Rom. magistrate, govr. of a prov. with an army, or comdr. of an army without a prov. Und. the Emp. a deputy-govr. in a prov. was also called a P.-C.

Procope-Couteau, Fr. ☕ ✓ & ♪, * 1684 Paris, † 1753.

Procopius, Grk. ✍, secretary to Belisarius, † *ca.* 560.

Procrustes, Grk. myth., Attic robber who laid his captives on iron bed, fitting them to it by

stretching or cutting down their limbs; hence "P. bed."

Procter, 1] Bryan Waller (pseud. Barry Cornwall), poet. & misc. ✓, * 1787 London, † there 7/10 1874. "Eng. Songs & Lyrics," &c. 2] His dau., Adelaide Anne, poet, * 1825, † 2/2 64. "Legends & Lyrics" 58, &c.

Proctor, 1] ⚖, an attorney who, prior to 1873, practised only in the Admiralty & Prerogative Courts; distinctn betw. P. & attorney then abol Queen's P watches divorce cases to see that there is no collusn, &c. 2] †, a repres. of the clergy in convocatn. 3] At univ., an officer who maintains discipline

Proctor, R A., ✎, misc. & scient. ✓, * 28/3 1837 Chelsea; hon. sec & edtr. F R.A.S. 72-3, † 12/9 88.

Procurator-Fiscal, Scot. ⚖, public prosecutor in inferior courts.

Prodicus, Grk sophist 5th cent B.C, teacher of Euripides & Socrates. ✓

Progression, math., regular sequence of quantities In arithmet. P., each member of a series differs fm. that wh. precedes it by a fixed numb, the "com difference:" 2, 5, 8; 3 being the common diff. In geom. P., the membs. are sep. by a multiplier, the "common ratio:" *e.g.*, 3, 9, 27; 3 being the common ratio.

Prolapsus, ✗, falling down & protrusion of a part, esp. of rectum or womb

Prome, district of Pegu, Burmah; 2,887 s.m., 280,000 inh. Chief ⊙, P., on Irawadi ⅄; 30,000 inh.

Prometheus, Grk. myth., s. of Japetus & Clymene, who made men of clay & stole fire fr. heaven to animate them, for which he was chained by Zeus to rock on ▲ Caucasus, where an eagle preyed on his liver until he was rescued by Hercules.

Prony, Gasp. Riche, baron de, Fr. ⚙ & math., * 11/7 1755 Chamlet, † 29/3 1839.

Proof Spirit, mixt. of *ca.* equal parts of distilled water & absolute alcohol; spec grav = 9198 at 59°.

Propaganda, Rom †, commission of cardinals which directs foreign missions

Propertius, Sex. A., Rom eleg. poet, * *ca.* 45 B.C. Umbria, † 22

Propontis, *v.* Marmora, Sea of.

Proportion, math, relation of magnitude or numerical value wh. one quantity bears to another. When relatn. is expressed by difference of the quantities, it is Arith. P.; when by their quotient, Geom P.

Propylæum, anct. ▲, entrance to a Greek temple.

Proscenium, anctly., stage of a theatre, or that part of it in front of the scene; now the framework of the drop-scene

Prosecutor, Public, officer appointed by Home Sec. und. Act of 1879, & actg. und the Attrny.-Genl. *v.* Procurator-Fiscal.

Proserpine, class. myth., goddess of lower world, dau. of Zeus & Ceres, w. of Pluto, & mother of the Furies: the Grk. Persephone.

Prosody, part of gram relating to quantity of syllables, accent, & laws of versification.

Prosopopœia, rhet., attributn. of life & actn. to things inanimate; personification.

Protagoras, Grk. sophist, disciple of Democritus, * *ca.* 480 B.C. Abera, Thrace, drowned *ca.* 411: 1st to take name of sophist.

Proteaceæ, ✿, order of shrubs or sm. trees with hard dry leaves; 44 gen., 650 specs; C. of Gd. Hope & Austral. Sub-ords.: *nucamentaceæ* & *folliculares.*

Protection, imposition of taxes to shield an industry from foreign competition.

Protestants, †, orig. those supporters of Luther who, at the Diet of Spires 19/4 1529, protested agst. revoking the permissn. given to every Germ. prince to regulate † matters in his dominion till a Gen. Council shld. meet; afterwards all members of Reformed Churches.

Proteus, 1] class. myth., old man of the sea, who could change his form to elude questioners. 2] Zool., gen. *hypochthon* of newts, lizard-like, *ca.* 1 ft. long, eyes hidden in skin, large blood-corpuscles; wet caverns, &c., of Cent. Europe.

Protococcus, ✱, typ. gen. of fam. *protococcidæ*, esp. *P. pluvialis*, a simple spherical cell, surr. by cellulose envelope, enclosg. protoplasm; occurs in stagnant rain-water, &c.

Protocol, the rough draft, or the original, of a ⚥ or diplomatic documt.; or the minutes of a transaction; or a conventn. wh. needs no formal ratification.

Protogenes, Grk. ● at Rhodes, 4th cent. B.C.

Protophyta, ✱, Perleb's name for plants of lowest organisation.

Protoplasm, biol., transparent, granular-looking substance from which all livg. beings are formed. *v.* Cell.

Protozoa, zool., lowest grp. of animals, ea. consistg. of a single cell, or group of cells, with no definite organs & no nerv. syst.; divd. into *gymnomyxa* & *corticata*.

Proudhon, P. J., Fr. socialist ✓, * 15/1 1809 Besançon; imprisd. 50, 58, † 19/1 65 Paris. "Confessions of a Revolutionist" 49, &c.

Prout, 1] Saml., water-colr. ●, * 17/9 1783 Plymouth, † 52 London. 2] Wm., ⚥, ✓ of a Bridgewater Treatise, * 1786, † 1850.

Prout, Father, *v.* Mahony.

Provence (Rom. Provincia), old prov. in S. of Fr., corresp. w. deptmts. of Basses-Alpes, Bouches-du-Rhone, & Var, w. parts of Vaucluse, Drôme, & Hautes-Alpes.

Providence, 1 of cap. ⊙s of Rhode Island, U.S.A., on ⚓ P.; 110,000 inh.; fnded. 1636 by refugees fr. Mass. und. Roger Williams.

Provisors, Statutes of, ⚥, Acts passed *temp.* Richd. II. & Hy. IV. forbiddg. presentation to a living by the Pope before death of incumbent.

Provost, 1] chf. magistrate of a Scot. burgh. 2] Heads of several colleges at Oxfd. & Camb., & the princip. of Dub. Univ. 3] Chf. dignitary of a cathed. or collegiate church. 4] P.-Marshal, ⚔, offr. who carries out sentences.

Proyart, Lievin B., Fr. ✓, * 1749 Artois, † 1808.

Prejevalski, A., Russian ⚔ & travlr.; to Siberia 1867–69, to China 70–73, &c.

Prudentius, Aur. C., Latin Christ. poet, * 348 Spain, † 410.

Prudhomme, Louis M., Fr. journlst. & ✓, * 1752, † 1830.

Prudhon, Pierre P., Fr. ●, * 1758 Cluny, † 1823.

Prunella, ✱, self-heal; gen. of small hairy herbs, w. flowers in dense whorls; 3 esp., incldg. *P. vulgaris*, common Self-heal.

Prunes, *v.* Prunus.

Prunus, ✱, Plum & Cherry gen., N. temp. zone; *ca.* 80 specs., 3 Brit.: (1) *P. communis*, w. sub-specs., *P. spinosa*, sloe; *P. insitita*, bullace; *P. domestica*, wild plum, wh. yields the prune. (2) *P. cerasus*, dwarf cherry, w. 1 sub-specs., *P. avium*. (3) *P. padus*, bird-cherry.

Prussia, largest kingdom of Germ. Emp.; 134,467 s.m., 28,320,000 inh. (⅔rds Protests.); 13 provs.: E. P., W. P., Brandenburg, Pomerania, Posen, Silesia, Saxony, Schleswig-Holstein, Hanover, Westphalia, Hesse-Nassau, Rhenish Provs., & Hohenzollern; ⚓s: Niemen, Pregel, Vistula, Oder, Elbe, Weser, & Rhine; ▲s, Harz & Riesengebirge; large fir forests; ♨s & 100 ♨ springs; wines, linen & cotton mnfs., wheat, rye, oats, barley, peas, millet, rape-seed, maize, linseed, flax, tobacco, hops. Cap. ⊙, Berlin; 10 univs.: Berlin, Bonn, Breslau, Göttingen, Greifswald, Halle, Kiel, Konigsberg, Marburg, Münster. Revenue & expend. *ca.* £64,500,000; debt £207,316,522. Limited monarchy, but w. extensive powers; 2 legislat. chambs.: the Herrenhaus, comp. of heredit. nobility & life-members

representg. landowners, univs, &c., & the Abgeordnetenhaus, 433 members, chosen by indirect election P. has 17 of the 59 members of the Germ. Bundesrath, & 236 out of 397 members of Reichstag. ♛ Lithuanians, who occupied territ betw ⚔s Vistula & Niemen, conqd. by Teutonic knights 13th cent, yoke thrown off next cent; Fred VI of Nuremberg became Margrave of Brandenburg 1415 & founded house of Hohenzollerns, present roy fam; dk. Fred III crowned k Fred I 1701; Fred. the Gt, his grandson, k. 1740, conqd. Silesia & particip in partition of Poland; Fred Wm II., succ. 1786, took part in further partitns of Poland, Fred Wm. III. defd. at ⚒ Jena, lost large part of territory; restoratn. made after Napoleon's overthrow at Waterloo, peace of Paris 1814 added Saxony & Lower Rhine; Fred. Wm IV k 40; Wm. I k. 61, Schleswig-Holstein conqd 64; war w. Austria 66, Hanover, Electoral Hesse, Nassau, & Frankfort-on-Main annexed; N Germ. Confederation formed under Pruss. influence 66, Franco-Germ war 70–71; k. of Prussia declared Emperor of Germany 18/1 71.

Prussia, East, prov. of P, on borders of Russia & Poland, 14,729 s.m., 1,950,000 inh. Chf. ⊙, Konigsberg.

Prussia, West, prov. of P., S. of Pomerania & Baltic Sea; 10,151 s m., 1,425,000 inh. Chf ⊙, Dantzic.

Prussian Blue, *v.* Ferrocyanide.

Prussic (Hydrocyanic) **Acid,** intensely poison compd. of nitrog, carbon, & hydrogen, obtained from distilling cyanide or ferrocyanide of potassium w. dilute sulphuric acid; an aqueous solution used in ☤; w. metall. bases forms cyanides. *v.* Cyanogen.

Pruth, ⚓ of Europe separating Roumania from Bessarabia; rises in Carpathian ▲s, falls into Danube near Galatz; *ca.* 500 miles.

Prynne, Wm, ✍, polit. & † ⚖, • 1600 Swainswick; punished by Star Chamber 32, 35, afterwards imprisoned for attacks on Cromwell, Keeper of Records of Tower after Restoration, † 69 London.

Psalmanazar, Geo., pseud. of ✍ of a fictitious description of Formosa, published 1704.

Psalms, Book of, attributed to David, Asaph, Moses, Korah, Etham, & Solomon, composition & compilation largely uncertain.

Psittaci, *v.* Parrot.

Psyche, class. myth., Cupid's mistress, who was united to him for ever, & made immortal

Psychical Research, Society for, fnded. 1882 by Prof Sidgwick & others to investigate mesmeric, psychical, & spiritualistic phenomena

Psychology, *v.* Mental Science.

Ptarmigan, ornith., *lagopus mutus*, game-bird similar to grouse, Brit., N. Eur., N. Amer.; white in winter.

Pterichthys, ichth, gen. of placoderms with long & wing-like pectorals; 12 species.

Pteroclidæ, ornithology, sand-grouse, or rock pigeons, a fam. of *gallinæ* w. 2 gen (*pterocles* & *syrrhaptes*) & 16 specs.; Afr., Cent. Asia, & S. Europe.

Pterodactyl, zool., extinct flying reptiles with affinities to mammals, reptiles, & birds; Mesozoic Epoch.

Pteromys, zool., name of flying squirrel.

Pteropoda, zool., sub-class of *mollusca*, sm. marine animls. w. fin-like append. for locomotion; foot, head, & respirat apparat. rudimentary; nervous syst. concentrated; heart consts. of ventricle & auricle.

Ptolemaic System, ☀, anct. system expounded by Claudius Ptolemy, that the earth is centre of univ., the heavens (with sun & stars) revolving round it; superseded by the Copernican.

Ptolemy, dyn. of Grk. k.s of Egypt founded 323 B.C. by P Soter (= Preserver), 1 of Alex. the Gt.'s

gents., † 285. V. (Epiphanes = Illustrious) reigned 205–181. XII., 51–47, 3 years with his sister Cleopatra. XIII., 47–43, when Cleopatra, his sister, put him to death; with him the dyn. ended.

Ptolemy, Claudius, ♃ & ☉ at Alexandria 139–61; expoundr., but not originator, of Ptolemaic system of ♃.

Publicans (Latin *publicani*), farmers of the public revenue.

Public Libraries Acts, ⚖, Acts of 1875 & 77 requirg. local authority, on request of 10 ratepayers, to take sense of body of ratepayers as to establishment out of public funds of free L. or museum; loans may be raised, but rate must not exceed 1d. in £.

Public Works Loans Commissioners regulate granting of loans by National Debt Comsrs. to local bodies for public works.

Public Worship Regulation Act, 1874, gives facilities to 3 or more parishnrs. to invoke authority of bp. of diocese to check ritual by his mandate, or to submit matter to a specially appointed judge.

Pudding-stone, *v.* Conglomerate.

Puddling, convertg. cast into wrought iron by boiling & stirring, so expelling the oxygen & carbon.

Puebla, ⊙ Mexico, cap. of State of P.; 70,000 inh.; manufactures.

Puerto, Span. = port.

Puerto, or P. de Santa Maria, ⚓ ⊙ Spain, on Bay of Cadiz; 22,000 inh.; bull-fights.

Puff-Adder, zool., *vipera (clotho) arietans*, venom. S. Afr. serpent, 4 to 5 ft. long, thick as man's arm; inflates upper part of body when disturbed.

Puff-ball, ♨, fungus of gen. *lycoperdon*.

Puff-bird, ornith., fam. *bucconidæ*, like king-fishers & bee-eaters, *ca.* 43 specs.; Central & S. Amer.

Puffendorf, Saml., baron, Germ. ♙, ✍, & jurist, * 8/1 1632 Flöha; prof. at Heidelberg 61, ✍ographer Stockholm 86, Berlin 88, † 26/10 94. ✓.

Puffin, ornith., gen. of sea-birds, esp. *fratercula arctica*, common P.; British coasts.

Pug, small var. of common dog, like a dwarf bull-dog.

Puget, Pierre, Fr. ♘, ☕, ⚒, ♙, * 1622 Marseilles, † 94.

Pughe, Wm. Owen, Welsh lexicographer & ✍ ✓, * 1759, † 1835.

Pugin, 1] Augustus, Fr. ♙ & ♙ ✓, * 1769; settled in Lond., † 19/12 1832. "Anct. Goth. ♙," &c. 2] His s., A. N. Welby, ♙ & ♙ ✓, * 1811, † 14/9 52 Ramsgate. "Pointed or Christian ♙" 41, &c.

Puisne Judges, ⚖, J.s & barons of the High Ct. of Justice other than the chiefs.

Pulci, Luigi, Ital. poet, * 8/12 1481 Florence, † 87. "Il Morgante Maggiore" (burlesq. epic) 81, &c. His brothers Bernardo & Luca also poets.

Pulley, ⚙, one of the six simple machines or mechanicl. powers; in effect a lever. *v.* Powers, Mechanical; Plate.

Pulling, Alex., ⚖, * 1/12 1813 St. Arvans; serjeant-at-⚖ 68. ✓ "Order of the Coif" 83, &c.

Pulmonata, zool., ord. of molluscs, comprisg. land-snails & slugs, wh. breathe directly by means of a respiratory surf. or pulmonary sac.

Pulse, 1] peas, beans, & other edible seeds of leguminous plants. 2] Physiol., the beat felt in an artery when slight pressure is applied; caused by action of heart. At birth *ca.* 140 beats per min., at end of 1st yr. 120, of 2nd 110, during middle life 70–80, in old age a little more.

Pulszky, F. A., Hung. ✓ & statesm., * 17/9 1814; to U.S.A. w. Kossuth 51.

Pulteney, Wm., earl of Bath, * 1682, † 1764.

Pulu, veget. silk, imported fr. Hawaii.

Puma, Cougar, or Amer. Lion, zool., *felis concolor*; largest feline

of New World, *ca.* 40 in. long (exclusive of tail), maneless, easily tamed, Canada to Patagonia.

Pumice, ⚒, porous, froth-like rock, wh. floats on water. P stone is imported from Lipari Isles for polishing, &c.

Pump, ⚙, machine consistg. of piston, cylinder, & valves for raisg water, &c., or for compressing or exhausting air & other gases, most important vars. lift-P., suction-P., force-P., & centrifugal or rotatory P.

Pumpkin, ☘, *cucurbita pepo*, or, loosely, any gourd akin to it, native of Astrachan, introd. into England 1570.

Punch and Judy, Story of, is attrib. to Silvio Fiorillo, Ital. com. ☺, 17th cent.

Punctuation, orig. in 16th cent w. the Manutii, typogs of Venice, in earliest printd books only arbitrary & very occasional marks occur.

Punic Wars, betw. Rome & Carthaginians (1) 264–41 B.C., (2) 218–02, (3) 149–6, Carthage destroyd.

Punjab, t. Panjab.

Punshon, William Morley, Wesleyan †, * 1824 Doncaster; presdt of Conference 75, † 11/4 81.

Pupa, entom., 3rd stage in development of insect, when it is called a chrysalis (*q. v.*) if quiescent., a nymph if active, as in dragonflies.

Puranas, Hind myth., last grt. divisn. of † literature, 18 works, none older than 9th cent. in present form.

Purbeck, Isle of, penins. on Dorset coast, 13 × 7 m., terminating on the south in St. Alban's.

Purbeck Beds, ⚒, series of freshwatr limestones, clays, shales, sandstones, &c., forming highest part of Upper Oolite, & fnd. chfly. on Isle of P.

Purcell, Hy., ♫ & comp. of † ♫, * 1658; organist of West. Abbey 76, of Chapel Roy St James's 82, † 95, buried West. Abbey. "P. Soc." founded 1876.

Purchas, 1] John, †, * 1823; incumbent of St. James's Chapel, Brighton, 66, suspend. for Ritualistic practices 72, † 18/10 72. 2] Saml., † & schol., * 1577, † 1628. ✓ "Purchas, his Pilgrimage."

Purchase System, ⚔, by wh. offrs. could sell their commissions, was abold 1871. An ensigncy or cornetcy was worth *ca.* £450, a lieut colonelcy *ca.* £4,500.

Purgatory, †, in Rom. Catholicism, place of purifying suffering for souls not doomed to eternal punishment.

Puri, distr. of Orissa, Brit. Ind.; 2,472 s.m., 780,000 inh. Chief ⊙, P., or Jagannath, 22,000 inh.; contains shrine of Jagannath (Juggernaut), Hind god, & is visited annually by 100,000 pilgrims. ("Car festival" in June or July.)

Purification of the Virgin Mary, t. Candlemas.

Purim, Jew. festival (of lots) commem. deliverance fr. Haman's designs (Esther ix. 26); still celebrated 14th & 15th Adar (March).

Puritans, †, those who contended for simplicity of worship & Scriptural purity of doctrine; name 1st given *temp.* Elizabeth; after the Restoration usually called Nonconformists.

Purniah, distr. of Bengal, Brit. Ind.; 4,937 s.m., 1,750,000 inh. Chf. ⊙, P., 16,000 inh.

Purpura, 1] zool., gen. of whelk fam.; 40 fossil specs., 140 recent, incldg. 1 Brit., *P. lapillus*, many species yield a purple dye. 2] ✚, disease of blood & vessels, chiefly in women.

Purse-crab, *v.* Birgus.

Purslane, ☘, pop. name of *portulaca*, typ. gen. of *portulacaceæ*, low succulent herbs; *ca.* 40 specs., mostly American. Common P., *P. oleracea*.

Pursuivant, lowest class of officers in Heralds' College (*q. v.*).

Pus, ✚, thick, viscid, yellow fluid, produced by suppuration of a diseased part of the body.

Puschkin, A S, Russ. poet & ♪ /, * 26/5 1799 Moscow, killed in duel 29/1 1837.

Pusey, Edwd. Bouverie, † & oriental schol, * 1800 Pusey Ho, Berksh.; 1st class in classics Oxf 22, Lat. essay prize 24, Fell. of Oriel 24, Reg Prof of Hebrew & canon of Christ Ch 28, became ldr. of Tractarian movement 35, † 16/9 82 Aston Priory. / "Real Presence" 55, "Minor Prophets" 62, "Daniel" 64, "Ch of Eng" 65, "Eirenicon" 66, "Unscience" 78, "Everlasting Punishment" 80, &c

Putchuk, nat Ind name for aromatic root of *aucklandia costus*, perfume & incense

Putrefaction, ?, decompositn. of organic substances, esp those rich in nitrogen, diffs fr fermentation in being accompanied by evolution of fetid gases

Puttenham, Geo., Eng. misc. /, * *ca* 1530, † 1600

Puvis de Chavannes, P., Fr. ●, * 14/12 1824 Lyons

Puy, Pierre du, Fr. Ψ & ♛ /, * 1582 Agen, † 1651. "♛ of Templars," &c

Puy-de-Dôme, a central departmt. of Fr, 3,070 s m, 570,000 inh P-de-D ▲, of Auvergne ▲

Pyæmia, ✗, blood poisoning, pus in the blood, sometimes arises spontaneously, or fr. most trifling injury, in unhealthy persons

Pyat, Felix, Fr polit. & misc /, * 4/10 1810 Vierzon, impriad. on polit charge 61, sentnd. to death as Communist 73, amnestied 80

Pycnogonidæ, zool., "sea-spiders," aberrant fam of *arachnidæ*, ⚓ anims with rudimentary abdomen & 4 pairs of legs, very long & many-jointed.

Pye, 1] John, engraver, * 1782; attacked Roy. Acad 1845, † 6/2 74. 2] Hy. Jas, poet. / & p.-laureate, * 1745, † 1813.

Pygmalion, Grk. myth., k. of Cyprus, who made a female statue in ivory wh was endowed w. life, & wh. he married

Pygmies, class. myth., a fabulous nation of dwarfs, always at war with the Cranes.

Pygopodes, ornith, order of aquatic birds, including divers & grebes, with tarsi (legs) & toes flattened, body lithe & much depressed; incapable of walking.

Pym, John, parlt orator & statesm., "king of Long Parlt," * 1584 Brymore; M P for Colne, aftwds. for Tavistock; assisted in Buckingham's impeachmt 1626, in *Strafford's 41; one of the "5 members"* whom Chas I. tried to arrest 42, lieut of ordnance in Civil War 43, † 8/12 43, buried Westmin. Abbey.

Pyne, Louisa (Mme. Bodda-P), Eng ♪ singer, * 1832, 1st appearance *ca.* 42, to U S.A. 54, m. Mr. F. Bodda.

Pyramid, geom, a solid of wh. the base is a plane fig contnd. by any number of straight lines, & its sides triangles, whose vertical angles all meet in 1 point—the apex of P

Pyramids, 1] of Egypt, tombs, used also for † & ✗ purposes; begin immediately S of Cairo, continuing at varyg intrvls nrly. 70 m. Largest that of Cheops, at Ghizeh, base 746 ft sq., ht. 460 ft.; employed 100,000 men for 20 years. 2] Largest of Mexican P.s (*ca* 100 in all) 178 ft. high, base 1,438 ft sq., at Choleda.

Pyramus, Grk myth., Babylon. youth who slew himself because he belvd. Thisbe slain by a lion, she also committed suicide

Pyrenees, ▲ betwn Fr & Sp., extendg fr B of Biscay to Medit., 270 m long by fr. 50 to 70; average height, 8,000 ft, highest point, La Maladetta, or Mont Maudnit, 11,165 ft; Perdu 10,994, Vignemale 10,280.

Pyrénées, Basses, deptmt. of S.W. Fr, on slopes & at foot of P. ▲; 2,943 s m., 440,000 inh. Chf. ⊙, Pau

Pyrénées, Hautes, deptmt. of

S. Fr., E. of P. Basses; 1,749 s.m., 240,000 inh. Chf. ⊙, Tarbes.

Pyrénées-Orientales, deptmt. of S.E. Fr.; 1,592 s.m., 210,000 inh. Cap. ⊙, Perpignan.

Pyrexia, *v.* Fever.

Pyrites, ⊕, compds. of metals w. sulphur. Iron P., 1 atom of iron w. 2 of sulphur; marcasite, same compositn., but lighter colr.; cop-

Pyroxene, *v.* Augite.

Pyroxylin, *v.* Gun-cotton.

Pyrrhic Dance, war-like D. said to have bn. invtd. by Pyrrhus for funeral of his father Achilles.

Pyrrho, Greek ♃, founder of sceptical school, * 376 B.C. Elis, + 288.

Pyrrhus, 1] k. of Epirus, * 318 B.C.; acc. 295, invaded Italy 280,

Pyrmont, *v. Waldeck.*

Pyroligneous Acid, ♃, impure var. of acetic A., obtnd. by heatg. wood, & used in preparg. pyrolignates, imp. acetates of var. mets. Acetic A. is P. A. purified.

Pyrometer, ⊕, any instrumt. for indicatg. temps. above boiling-pt. of mercury, 660° Fahr. Best of the 11 methods of measuring high temps. are by change of pressure in confined gases (M. Lamy's), & by change in resistance to electric. (Siemens').

Pyrope, ⊕, deep crimson or mulberry variety of garnet.

Pyrophorus, 1] ♃, any subst. that will take fire spontaneously, or on a slight rise of temp. 2] Entom., gen. of Amer. nocturnal beetles (*elateridæ* family) emitting light at will from 2 rounded spots on the prothorax; *ca.* 90 specs., incldg. *P. noctilucus*, W. Ind. Fire-fly.

Pyrosomidæ, zool., fam. of ♁ anims., class *tunicata;* brilliantly phosphorescent; only 1 genus, 3 species.

Pyrotechny, art of making combustibles, for signalling or decorative purposes. Gunpowder, meal-powder, or mixtures of saltpetre, charcoal, & sulphur, usually form basis, other substances being added to produce special effects. Showers of sparks obtnd. by mixg. w. iron or steel filings; golden rain by mixt. of lampblack & saltpetre, or mahogany sawdust; coloured fires by mixt. of metall. nitrates w. sulphur & charcoal.

siege of Argos. 2] *S. of Achilles.*

Pyrus, ♂, gen. wh. inclds. & pear; *ca.* 40 specs.; 5 wi Brit., incldg. *P. communis,* wild pear; *P. malus,* crab-apple; & *P. aucuparia,* mountain-ash.

Pythagoras, Grk. ♃ & ♃, 6th cent. B.C., * Samos; settled at Crotona & estab. soc. there, prob. + Metapontum, on Tarentine Gulf; taught transmigration of souls (prob. borrowed from the East) & syst. of ♃ similar to that of Copernicus.

Pythian Games, Grk. ♃, 1 of 4 great national festivs., held every 5th year near Delphi. *v.* Python 2.

Pythias, *v.* Damon.

Python, 1] zool., rock-snake, typ. genus of *pythonidæ;* 2 Ind. specs., 3 Afr.; some *ca.* 30 ft. long, thick as man's body. 2] Greek myth., huge serpent produced fr. the mud left aft. deluge of Deucalion, & slain by Apollo; the deed being celebrated by the Pythian Games.

Pyx, Trial of the, triennial test by assay, for purity at the Mint, bef. jury of goldsmiths, the sample coins being placed in box called the P.

Q.

Q, 17th letter of alphabet; consonant; always followed by *u.* Q. = *quintus,* Lat. = 5th. Q., geom., = *quod,* Lat. = which, as Q.E.D. = *quod erat demonstrandum* = which

was to be proved. Formerly, as a symbol, Q = 500; Q = 500,000. In Oxford College accounts Q = ¼ farthing.

Quadragesima Sunday, †, 1st S. in Lent; *ca.* 40 days before Easter.

Quadrant, 1] geom., quarter of circle. 2] Instr for makg angular measurements in ✱, superseded by sextant.

Quadratic Equation, algebra, E. in which unknown quantity is of 2 dimensions, or raised to 2nd power; or in which highest power of unknown quantity is a square.

Quadrature, 1] ✱, *v.* Syzygy. 2] Geom., squaring the circle known to be impossible.

Quadrilateral, ✕, a space defended by four ⊛s, *e g*, the Q of Venetia, formd. by ⊛s of Peschiera, Mantua, Verona, Legnago.

Quadrille, dance of 5 figures by 4 sets of couples, each forming side of a square.

Quadrio, Francesco S., Ital ♗ of ♂, * 1695, † 1756

Quadroon, offspring of a mulatto woman by a white man.

Quadrumana (four-handed), zool., ord superseded by Primates (*q.v.*).

Quadruped, pop. term for 4-footed mammalia.

Quadruple Alliance, ♆, A betw. Eng., Fr, Germ, & Holl. 1718–19, & betw. Eng., Fr., Sp, & Port. 1834.

Quæstors, Rom magis. who superintend. State revenues; orig. 2, then 4, 8, & 40.

Quagga, zool, *equus* (or *asinus*) *quagga;* equine form, striped on head, neck, & shoulders, S. Afr.; now nearly or quite extinct; named from its bark

Quaglio, Domenico, Germ. ⊛, * 1/1 1786 Munich, † 9/4 1837 Hohenschwangau.

Quail, ornith., gen *coturnix*, esp *C. communis* or *dactylisonans*, widely distrib. over E. hemisph.

Quain, 1] Jones, Irish ♗, * 1796 Mallow; prof. of physiol. & anat. Univ. Coll 31–6, † 65. ♂ "Elemts. of Anat" 28, &c 2] Richd., ♗, * 30/10 1816 Mallow; Lumleian lect. 72, Harveian orator 85, consulting ♗ to Brompton & other hospitals; editor of & contrib. to "Dict. of Medicine" 82, † 15/9 87

Quakers, †, the Soc. of Friends, fnded. by Geo Fox 1647, & called Q s because he warned Just Bennet to "quake" at the word of the Lord; in U. Kingdom *ca.* 1,500, in Amer. 70,000. Believe in immed. influence of Holy Spirit, dispense w. sacraments, protest agst oaths.

Quaking Grass, ❀, gen *briza;* 6 specs, 2 Brit., incldg. *B. media*, common Q. G.

Quantum sufficit, Lat. = as much as is required.

Quanz, Johann J., Germ flautist & composer, * 30/1 1697 Oberscheden, † 12/7 1773 Potsdam.

Quarantine, ⚓, term durg. wh. vessel fr infected port is forbidden intercourse w. the shore, system first estab. *ca* 1448 by Venetians. *Pratique*, release from Q.

Quare impedit, ⚓, Lat = why he hinders; action to try disputed title to advowson.

Quarin, Joseph, Austr. ♗, * 1773, count 97, † 1814.

Quarles, Franc, poet. & misc. ♂, * 1592 Romford; chronologer to ⊙ of Lond. 1639, † 44. "Emblems, Meditations, & Hieroglyphics" 35, "Enchiridion" 41.

Quart, meas of capacity = 2 pints. ¼ Gallon

Quarter, 1] (1) meas. of capac. = 8 bushels; (2) avoirdupois wt. = ¼ cwt = 28 lbs 2] ✱, 4th part of moon's monthly revolution 3] Heraldry, 1 of 4 divs of a shield

Quartering, heraldry, disposing coats of-arms among the four quarters of a shield, to show nuptial alliances.

Quartermaster, 1] Brit ✕, offr. who superintends stores, food, & clothing; genlly. promoted from

ranks; ranks first as lieut., afterw. as capt. Q.-Genl., staff offr. w. sim. duties for army. Q.-Sergt., senior sergt. in Q.'s depmt. 2] ⚓, petty offr. who superintends provisions & attends to coiling of ropes, steering, &c.

Quartern, *v.* Gill.

Quartet, 𝄞, composition for 4 voices or instruments.

Quarto, *v.* Book.

Quartodecimans, †, Asiatic Christians who celebrated Easter on the 14th day of the first lunar month near the vernal equinox, whether that 14th day fell on Sunday or not.

Quartz, ⊕, a com. ⊕ sometimes found in massive or stalactitic forms, but usly. in hexag. crystals; rhombohedral cleavage; hardness 7, spec. grav. 2·5–2·8; compositn.: oxygen 53·33, silicon 46·67; form. SiO_2, or pure silica; many varieties used in jewellery.

Quasi, Lat. = as if; an unreal resemblance; in assumed form.

Quasimodo, Rom. †, 1st Sund. after Easter.

Quassia, ℞, gen. of trees & shrubs typ. of ord. *simarubaceæ*, esp. *Q. amara* (W. Ind.), infusion of wh. is used in ℞ as a bitter or stomachic.

Quaternions, math., method discovered by Sir W. Hamilton of solving questions in solid geom., to which co-ordinates were formerly applied.

Quatrain, stanza of four lines rhyming alternately.

Quatre-Bras, village of S. Brabant, Belg.; ⚔ 16/6 1815, Fr. und. Ney deftd. by Brit. & allies under Picton, Dk. of Brunswick, & Pr. of Orange.

Quatrefages, J. L. Armand de, Fr. naturalist, * 10/2 1810 Vallerange; Chev. of Legion of Hon. 45 & Grand Officer 63, memb. of Acad. of Sciences 52, professor of anat. & ethnology at Paris 55. ✓.

Quatrefoil, ⧊, piercing or panel representing 4 leaves.

Quatremère, 1] Antoine Ch., Fr. Ψ, * 28/10 1755 Paris, † there 8/12 1849. 2] Étienne M., orientalist, * 12/7 1782 Paris; prof. there, † there 18/9 1857. "Langue & ✓ de l'Egypte."

Quaver, 𝅘𝅥𝅮, ♪ of a semibreve.

Quebec, prov. of Canada, formerly called Lower C., separ. fr. Ontario by ⚓ Ottawa; inclds. also Isle of Anticosti & Magdalen Islands; 188,688 s.m., 1,400,000 inh. (mostly descendts. of Fr. settlers, who still speak Fr., & adhere to R. Cath. †); cereals, grass., root crops, fisheries. Cap. ⊙, Q., ⚓; 65,000 inh.; found. by Fr. 1608, taken by Eng. 29, restored 32, taken by Eng. 1759.

Queen, *v.* King.

Queen Anne's Bounty, *v.* Bounty.

Queen Charlotte Islands, 1] group forming part of prov. of Brit. Columbia; fishing. 2] *v.* Santa Cruz Islands.

Queen's Bench, *v.* High Courts of Justice.

Queen's (or King's) **Counsel**, *v.* Barrister.

Queen's County, co. of Leinster, Ireland.; 664 s.m., 90,000 inh.; ✓; named aft. Q. Mary; rets. 2 M.P.s, Ossory & Leix divsns. Chf. ⊙, Maryborough.

Queensland, col. of Australia, comprising whole of N.E. region; 668,224 s.m. (exclus. of N. Guinea), 850,000 inh.; sub-tropical climate. *Expts.*, £4,950,000 (to U. Kingdom £1,300,000); chf. articles, wool, gold, & sugar. *Imports*, £6,100,000 (from U. K. £2,700,000). Rev. £2,800,000, expen. £3,200,000, debt £21,000,000. Rlys. 1,600 m., telegs. 14,500 m. Cap. ⊙, Brisbane, ⚓ (*q.v.*). Other ⚓ ⊙s: Rockhampton, Maryboro', Townsville, Port Douglas, Mackay. ♛: 1st settled by convicts 1825, a free colony 42, part of N. S. Wales till 59. Crown Governor, Legislat. Council of 36 life-membs. nom. by Crown, & Assembly of 59 members elected by colonists.

Queenstown, ⚓ ⊙ of co. Cork, on

Grear Isld., Cork Harbour; 10,000 inh.; calling-place for American steamers. Name changed fr. Cove of Cork on Queen's visit 1850.

Queiros (Quiros), Pedro F., Span. navigator, * 1560; discovd. Otaheite, New Hebrides, &c., † 1614.

Quentin Matsys, *v.* Matsys, Quentin.

Quercia, Jacopo della, Ital. ♁ & engraver, * 1374, † 1442 Sienna.

Queretaro, ⊙ of Mexico, cap. of State of Q.; 50,000 inh.; here Emp. Maximilian was shot 19/6 1867.

Quesnay, Franç., ⚕ to Louis XVI. & polit. economist, * 1694, † 1774; highly praised by Adam Smith.

Quesnel, Pasquier, Fr. † ✓, * 1634, † 1719; ✓ of a translation of the N. Test. with comments, condemned in the bull "Unigenitus."

Quesnoy, Franç. du, Belgian ♁ & carver, * 1592 Brussels, † 1646.

Quetelet, L. A. J., Belgian naturalist, * 22/2 1796 Ghent, † 17/2 1874 Brussels. ✓.

Quevedo y Villegas, F. G. de, Span. poet. & misc. ✓, * 26/9 1580 Madrid, † 8/9 1645. "Visions," translated by L'Estrange.

Quia emptores, Eng. ⚖, Lat. = because buyers; stat. passed 1290 to prevent creation of new manors to prejudice of feudal lords.

Quick, John, com. ♁, * 1748 London, † 1831.

Quicksilver, *v.* Mercury.

Quid nunc, Lat. = what now; one who wants, or pretends, to know everything.

Quid pro quo, Lat. = something for something; an equivalent.

Quietism, †, doctrine that essence of relig. consists in placid concentration of the soul on God.

Quillia, ☘, gen. of plants of ord. *rosaceæ;* inclds. *Q. saponaria* & *Q. brasiliensis,* bark of wh. yield substance used in S. Amer. as soap.

Quin, Jas., Irish ♁ & wit, * 24/2 1693 Lond.; pensioned by Geo. III. 1760, † 21/1 66 Bath.

Quinault, Phil., Fr. ♁ ✓, * 3/6 1635 Paris, † there 26/11 88.

Quince, ☘, fruit of *cydonia vulgaris,* tree indig. to S. Eur., N. Afr., &c.; brought to Eng. 16th cent. Japan Q., *C. japonica,* introd. to Eng. 1796.

Quincey, Thomas de, *v.* De Quincey.

Quincy, 1] Josiah, Amer. ⚖ & polit. ✓, * 1744 Boston, † 75. 2] His son, Josiah, polit. & ⚖, * 1772 Boston; judge 1822, president of Harvard Univ. 29–45, † 64.

Quinet, Edgar, Fr. ♛ & misc. ✓, * 17/2 1803 Bourg; fought in revolution of 48 & opposed 2nd Emp., † 27/3 75 Versailles. "Le Génie des Religions" 42, &c.

Quinette, Nicolas M., Fr. polit., * 1762; voted for exec. of Louis XVI., Min. of Interior 99, banished as regicide, † 1821 Brussels.

Quinine, *v.* Cinchona.

Quinoa, ☘, *chenopodium Q.,* seeds & leaves eaten in Peru.

Quinquagesima Sunday, †, S. before Lent, *ca.* 50 days before Easter.

Quinsy, ⚕, acute inflammation of tonsils; genlly. relieved by suppuration; rarely fatal.

Quintal Métrique, Fr. weight = 100 kilogrammes = 220·462 lbs. avoirdupois.

Quintana, M. J., Span. poet., polit., & biog. ✓, * 11/4 1772 Madrid, † there 11/3 57.

Quintette, ♯, compositn. in 5 parts, or for 5 performers.

Quintilian (M. A. Quintilianus), Rom. rhet., * 40 Calaguoris (Calahorra), Spain; to Rome, † there *ca.* 118. ✓ "Institutiones Oratoriæ."

Quintroon, Quinteron, child of a white man by woman who has $\frac{1}{16}$ of negro blood.

Quintus Calaber, or Q. Smyrnæus, Grk. epic poet *ca.* 5th cent.; continued the Iliad.

Quipu, instrumt. used in China, Peru, &c., for reckong. & recordg. events by knots tied in a cord.

Quire, 24 sheets of paper.

Quirinal, one of seven hills of Rome, on which is a palace.

Quirinus, name of Romulus after deification.

Quirites, Rom. citizens in civil capacity.

Quiroga, Jose, Span. Jesuit missnry. in Amer., * 1707, † 84. ✓.

Quiros, *v.* Queiros.

Quiscalus, ornith., typ. gen. of "boat-tails;" 10 specs.; from Venezuela to U.S.A.

Quita, Domingos D. R., Portug. poet. ✓, * 1728, † 70.

Quito, cap. ⊙ of Ecuador, on Andes ▲s, 9,540 feet above sea; 80,000 inh.; univ. & archbpric. Earthquakes 1797 & 1859.

Quit Rent, ⚖, R. paid in discharge of services to lord of manor.

Quoin, 1] ◺, external angle of a wall, esp. ashlar or brick corner projecting beyond general faces of walls wh. meet at angles. 2] Wooden wedges used in printing to fasten formes of type together.

Quoits, game played w. rings (quoits), wh. are thrown upon pins (hobs); resembles anct. game of throwing discus.

Quo warranto, ⚖, Lat. = by what authority; writ calling on a person to prove his right.

Quod erat demonstrandum, geom., Lat. = wh. was to be proved; abbrevtd. to *q.e.d.*

Quod erat faciendum, geom., Lat. = wh. was to be done; *q.e.f.*

Quod vide, Lat. = wh. see; *q.v.*

Quondam, Lat. = formerly.

Quorra, *v.* Niger.

Quorum, Lat. = of whom; the numb. of persons (*e.g.*, membs. of a board) whose presence is necessary to make proceedings valid.

R.

R, 18th letter of alphabet; consonant, liquid. R. = *rex*, Lat. = king; *regina*, Lat. = queen. R. = Royal, as R.N. = Royal Navy; R.A. = Royal Academician, Royal Artillery. In ✈, R. = right, as R.A. = Right Ascension. In ℞, R = *recipe*, Lat. = take. R = 80; R̄ = 80,000. The Three R.s, Sir W. Curtis's designation for reading, writing, & arithmetic.

Ra, Egypt. myth., sun-god.

Rabbi, Hebrew = my master; Jewish ✝ teacher.

Rabbit, zool., *lupus cuniculus*, burrowg. rodent; prob. nat. of W. part of Medit. basin; has spread over W. Eur., Brit., & Ireland, & multiplied into a pest in Austral. & N. Zealand; sevl. litters of fr. 5 to 8 each year. Ostend R.s bred at Ostend in hutches.

Rabelais, Franç., Fr. satir. ✓, * 1483 Chinon; priest at Meudon 1549–52, † 9/4 53 Paris. "Gargantua & Pantagruel," &c.

Rabener, Gottl. W., Germ. satirist, * 17/9 1714 Leipzig, † 22/3 71 Dresden.

Rabenhorst, L., Germ. ✓, * 1806 Treuenbrietzen, † 24/4 81 Meissen.

Rabies, ✝, disease in dogs wh., communic. to man = hydrophobia.

Rabutin, Roger de, count de Bussy, Fr. satir. ✓, * 1618, † 93.

Racan, H. de Bueil, marq. de, Fr. poet. ✓ & ✕, * 1589 Touraine, † 1670.

Raccoon, *v.* Racoon.

Rachel, Elisa (E. R. Felix), Franco-Jew. trag. ◐, * 28/2 1820 Mumf, Switz.; 1st app. 33, to Lond. 46, Amer. 55, † 3/1 58 nr. Toulon.

Rachitis, ✝, rickets; softness of the bones in children.

Racine, 1] Jean, Fr. trag. ◐ & ♛ ✓, * 21/12 1639 La Ferte-Milon, ♛ographer to Louis XIV., † 21/4 99 Paris. *La Thébaide* 64, *Andromaque* 67, *Britannicus* 69, *Bérénice* 70, *Bajazet* 72, *Mithridate* 73, *Iphigénie* 74, *Phèdre* 77, *Esther*, *Athalie* 91. 2] His s., Louis, poet. & misc. ✓, * 6/11 1692 Paris, † 29/1 1763; translator of "Paradise Lost."

Rackett, Rakket, ♨, obsolete wind instrument of double bassoon type, without keys.

Rack Rent, excessive rent.

Racoon, zool., gen. *procyon*, esp. *P. lotor, ca.* size of large cat; N. Amer.; hunted for fur. Crab-eating R., *P. cancrivorus*, S. Amer. Black-footed R., *P. nigripes*.

Racovian Catechism, †, a popular exposition of Socinianism: named fr. Racow, ⊙ of Poland.

Racquets, or Rackets, tennis game first played in Eng. 13th or 14th cents. w. naked hands, then w. gloved hands, aftrwrds. w. thongs bound round right hand to make glovere bound: then a racquet-bat.

Radama, 1] I., 1st Hova king of Madagascar, early 19th cent.; m. Ranavalona, who † 1861. 2] II., k. of Madagascar; succeeded 61, assassinated 63.

Radcliffe, 1] Ann, novelist & poet. ♂, * 1764 London, † 1836. "Romance of the Forest" 1791, "Mysteries of Udolpho" 93, &c. 2] John, ♃, * 1650 Wakefield, † 11/11 1714 Carshalton; fnder. of R. Library, Observatory, & Infirmary, Oxford.

Rademacher, Johann G., Germ. empiric ♃, * 4/8 1772 Hamm, † 7/2 1849 Goch.

Radet, Étienne, baron, Fr. genl. und. Nap. I., * 1762; invad. Quirinal & carried off Pope, † 1825.

Radetzky, J. J. W., count of Radetz, Austr. fld.-marsh., * 2/11 1766 Bohem.; supprsd. revolt in Quadrilateral 48–9, govr. of Lombardy & Venice 50–6, † 5/1 58.

Radiant, heraldry, any ordinary or charge when edged with rays or beams.

Radiata, zool., obsolete divsn. of Cuvier; now broken up into *echinodermata, polyzoa, vermes, cœlenterata, & protozoa*.

Radiation, physics, transmisn. of heat & light from one body to another without raising temperature of intervening medium. Solar R. is that from the sun; terrestrial R., that from Earth.

Radical, 1] one who contends for the uprooting of abuses; an advanced reformer. Term 1st applied as a party name in 1818 to Hy. Hunt, Major Cartwright, & others, in connection w. extension of franchise. 2] ⚗, group of elements common to a series of allied compnds., & unaffected by processes wh. transform these compnds. into one another: *e.g.*, ethyl is the R. of common alcohol. 3] Math., the sign √, which, placed before a quantity, indicates that its root is to be extracted.

Radicle, Radicule, ♃, minute root of an embryo plant.

Radio-flagellata, zool., ord. of *infusoria*, institut. by Saville Kent, with 2 fams. (*actinomonadidæ* & *euchitonidæ*); chfly. marine animalcules emitting numerous ray-like pseudopodia, & w. 1 or more flagellate appendages.

Radiola, ♃, all-seed, flax-seed; gen. of *linaceæ*, esp. *R. millegrana*; annual herb.

Radiolaria, zool., class of *protozoa* with radiate filamentous pseudopodia; named by E. Ray Lankester, & divided into *silico-skeleta & acanthino-skeleta*; the *polycistina* of Ehrenberg.

Radiolite, ⊕, form of bergmannite found in radiated masses & nodules at Eckefiord, Norway.

Radiometer, ⊕, instr. inv. by Crookes for measurg. mechan. effect of radiant energy.

Radish, ♃, *raphanus sativus*; brought to Eur. fr. Ind.; introd. to England 1548.

Radius, geom., dist. fr. centre of a circle to any point of circumference.

Radius Vector, 1] ✳, imag. line fr. centre of a heavenly body to that of another revolving round it. 2] Geom., straight line, or length of such line, connectg. any point (as of a curve) w. a fixed point or pole round which it revolves.

Radix, math., any number arbitrarily made the fundamental number or base of numerical syst.; *e.g.*, 10 is R. of decimal system.

Radnor, ▲ous Welsh co.; 432 s.m., 25,000 inh.; rets. 1 M.P.; ✓ & cattle-breeding.

Radowitz, J. v., Pruss. statesm., * 6/2 1797; ✕ plenipoten. to Diet of Frankfort 36, entd. Cabinet to carry out his scheme of Germ. Confed. 50, dismissed, † 25/12 53. ✓.

Radziwill, anct. Pol. fam.: 1] Nich., * 1470; made prince of Holy Rom. Emp. by Emp. Maximil., † 1522. 2] Georg, * 1480; gained 30 victories over Muscovs. & Tartars, † 1541. 3] Christopher II., * 1585; exacted fr. Russ. Treaty of Polanow, † 1640.

Rae, Sir Wm., Brit. ✗ & ⊕, * 1786; invtd. apparat. for distillg. water, † 8/4 1873.

Raeburn, Hy., Scot. port. ⊕, * 1756; R.A. 1815, kntd. 22, † 23. Works exhibited at Edinb. 76.

Raff, J. J., Germ. ♛, * 27/5 1822 Lachen; Direct. of Frankfort Conservatoire 77, † 82. Operas, symphonies, concertos.

Raffaele, *v.* Raphael.

Raffaelino del Grabo, Florentine ⊕, * 1466, † 1524. "Madonna & Child with Saints" (in Louvre), &c.

Raffaelle Ware, fine Majolica ware named from supposition that the designs were painted by R.; probably from drawings by him.

Raffinose, ⚗, saccharine body fnd. in molasses of beet & in barley; crysta. in colourless, flat, oblique prisms, very soluble in water; a faint sweet taste.

Raffles, 1] Thos. S., naturalist, administ., & ♛ ✓, * 1781; govr. of Java 1811–16, kntd. 17, fnded. Zool. Soc., † 26. "♛ of Java" 17. 2] Thos., Nonconf. † at Liverpool, * 17/5 1788, † 18/8 1863.

Rafflesia, ✿, typ. gen. of rafflesiads, ord. of rhizogens, w. 5 gen., 16 specs.; esp. *R. arnoldi*, found by Sir T. S. Raffles & Dr. Arnold in Sumatra 1818; flower more than a yard in diameter; no leaf; smells like putrid meat.

Rafn, Karl C., Dan. Ψ, * 16/1 1795 Brahesborg, † 20/10 1864 Copenhagen. ✓.

Ragg, Thos., † & poet. ✓, * 1808.

Ragged Schools, instituted by T. Cranfield in S. London 1810, & in Scotland by Dr. Guthrie. R. S. Union formed 44 under Ld. Ashley (afterwards 7th E. of Shaftesbury).

Raglan, Fitzroy J. H. Somerset, baron, field-marshal, 8th son of 5th dk. of Beaufort, * 30/9 1788; Wellington's aide-de-camp at Copenhagen, in Penin. War, & at Waterloo, where he lost right arm, Minister Plenipoten. Paris 1815, sec. to Fr. Emb. 16–19, peer 26, Mast.-Genl. of Ordnance 52, comdr.-in-chief in Crimea 54, † 25/6 55 before Sebastopol.

Ragman Roll, Ragimund's R., ♛, collection of deeds recording allegiance of Scot. nobles to Edwd. I. 1296; 4 large R.s of parchment, composed of 35 pieces sewn together.

Ragstone, ⚒, sandstone which breaks into rag-like fragments.

Raguenet, Franç., Fr. art & biograph. ✓, * 1660 Rouen, † 1722

Raguly, herald., any jagged or notched charge or ordinary.

Ragusa, duc de, *v.* Marmont.

Ragwort, ✿, *senecio jacobæa*, from 1 to 4 ft. high; wild in Brit.

Rahbeck, Knud L., Dan. ✆ & misc. ✓, * 1760, † 1830.

Rahl, Karl, ♛ ⊕, * 13/8 1812 Vienna, † there 9/7 65.

Rai Bareli, divsn. of Oudh, Brit. Ind., comprising dists. of R. B., Sultanpur, & Partabgarh; 4,898 s.m., 2,800,000 inh. Dist. of R. B., 1,752 s.m., 990,000 inh.; chief ⊙ R. B., on ⚓ Soi, 12,000 inh.

Raid of Ruthven, Scot. ♛, conspracy. headed by Alex. Ruthven to seize Jas. VI. & remove his favourites Lennox & Arran; carried out 23/8 1582, the king being imprisoned till 27/1 83, when he escaped.

Raikes, 1] Robt., founder of mod. Sunday-schools, journalist &

printer, * 1735 Gloucester, † 1811. 2] Hy. Cecil, statesm., * 1838; M.P. Chester 68–80, Preston 80–2, Camb. Univ. 82, Chairman Ways & Means & Dep.-Speaker 74–80, Postmaster-General 86.

Rail, ornith., any memb. of fam. *rallidæ*, esp. corn-crake or land-rail. *v.* Land-rail.

Railway System orig. at Newcastle-on-Tyne 1602, wh. Mr. Beaumont laid down a specs. of wooden tramway for vehicles drawn by horses; cast-iron bars substitd. for wood 1767; 1st steam R. in Eng. was from Stockton to Darlington, opened 25/9 1825; 2nd fr. Liverpool to Manchester, 15/9 30. In United Kingdom mileage (1888) is *ca.* 19,500, total cap. *ca.* £830,000,000, yielding annual return of £33,000,000; numb. of *employés ca.* 370,000. Fastest train, G.N., from King's Cross to Grantham, 105½ m. at 54 m. an hour. R.s introd. into Austria & France 1828, U. States 29, Belg. & Germ. 35, Cuba 37, Russia 38, Italy 39, Switzerland 44, Jamaica 45, Spain 48, Canada, Mexico, & Peru 50, Sweden 51, Chili 52, Ind. & Norway 53, Portugal, Brazil, & Victoria 54, Columbia & N. S. Wales 55, Egypt 56, Turkey & Natal 60.

Raimbach, Abrah., engraver & miniature ⊕, * 1776 London, † 1843.

Raimondi, Marc. Anton., Ital. engrv. aft. Raphael, * 1487 Bologna, † 1534.

Raimondite, ⊕ fnd. at Ehrenfriedersdorf, Saxony, in thin hexagonal tables; composed of sulphuric acid 35·0, sesquioxide of iron 46·6, water 18·4: named after Dr. Raimondi, of Bolivia.

Raimund, Ferd., Germ. ♁ ⁄, * 1/6 1790 Vienna, † 5/9 1836.

Raimund de St. Gilles, count of Toulouse, 1 of 1st Crusaders, * 1042; took Tripoli 1103, † there 05.

Rainaldi, 1] Girolamo, Ital. ▲ at Rome, Parma, & Modena, * 1570 Rome, † 1655. 2] His s., Carlo, ▲, * 1611, † 91.

Rain-bird, ornith., pop. name of 2 cuckoos in Jamaica, *saurothera* (or *cuculus*) *vetula* & *cuculus pluvialis*.

Rainbow, 1] meteorol., due chfly. to refraction & dispersion of light in passg. through rain-drops, but partly to its reflection fr. the back of the drops. Only seen when observer has back to sun. 2] Ornith., pop. name of gen. *diphlogena*; 2 specs., *D. iris* (Bolivia), & *D. hesperus* (Ecuador); 2 brilliant-plumaged humming-birds.

Rainbow-quartz, ⊕, Q. wh. shows an internal iridescence, light being refracted fr. surfaces of fine fissures.

Raine, Jas., topograph. ⁄, * 1791, † 1858. "♆ of N. Durham" 30.

Rainfall in Lond. is 23·5 inches (average), at St. Domingo 107·6; greater in trop. than in temp. climates, near ocean than inland.

Rain-gauge, instrument in var. forms for measuring amount of rain that falls on a given surface.

Rainilaiarivony, Premier of Madagascar 1864.

Rainolde, Richd., Eng. ⁄, 16th cent. "Foundation of Rhetorike" 1563.

Raipur, distr. of Cent. Provs., Brit. Ind.; 11,885 s.m., 1,100,000 inh. Chief ⊙, R.; 20,000 inh.

Raised Sea Beaches, old S. B.s upheaved so as now to be above high-water mark. In Norway is one 700 feet high.

Raisins, grapes dried in sun. Best grapes are dried by cutting ⅓ through fruit-stalk while still on tree, or are gathered when ripe, & dipped in ley, & then dried; infer. ones are dried in ovens.

Raja, Hindoo k. or chief. Some nat. princes (*e.g.*, those of Gwalior, Mysore, Bhartpur, Jaipur, &c.) are called *Maharaja* = Great R.

Rajputana, group of nat. States of Ind. und. Brit. protection, lying S. of Panjab, & betw. Sind & N.W. Provs.; subject to Agent of Gov.-Genl., resident at Ajmir; 18 in number: Alwar, Banswara, Bhartpur, Bikanir, Bundi, Dholpur,

Dungarpur, Jaipur (Jeypore), Jaisalmir, Jhalawar, Karauli, Kishangarh, Kotah, Marwar (Jodhpur), Mewar (Udaipur), Partabgarh, Sirohi, & Tonk; 130,000 s.m., *ca.* 10,300,000 inh.

Rajshahi Kuch-Behar, divsn. of Beng., Brit. Ind., incldg. distrs. of R., Dinajpur, Rangpur, Pogra, Pabna, Darjiling, Jailpaiguri, & nat. State of Kuch-Behar; 17,455 s.m., 7,400,000 inh. Distr. of R., 2,234 s.m., 1,350,000 inh. (chiefly Mohamms.); chf. ⊙ Rampur Beauleah, on ⚓ Ganges, 23,000 inh.

Rakoczy, Francis II., prince of Transylvania, * 1676, † 8/4 1735 Rodosto; R. March (Hung. nat. ♛) called after him.

Raleigh, Sir Walter, navigator, ♛ & poet. ✓, & courtier, * 1552 Hayes, Devon.; volunteer in Fr. & Dutch wars 78, served in Irish rebelln. 80, assisted k. of Portugal to regain throne 89, comd. expedtn. agst. Panama 92, but recalled by Q. Eliz.; imprisd. & banished for amour w. a maid of honour, whom he aftwds. m.; annex. Guiana 95, to Azores 97, imprisd. 1603–16 on false charge of treason, to Guiana again, exec. on old charge 29/11 18. "♛ of the World" (✓ in prison), &c.

Rallentamente, ♩, Italian = slower; *rallentando* = gradually slower. Abbreviated to *rall.*

Rallidæ, ornith., rails, fam. of *grallæ*, wide distribution; 5 subfams.: *parrinæ, rallinæ, gallinalinæ, fulicinæ, & heliornithinæ.*

Ralph, James, Amer. misc. ✓ in Eng., * Philadelphia, † 1762. "♛ of Eng.," &c.

Rama, Hindu myth., name of 3 incarnate gods of surpassg. beauty.

Ramadan, 1] 9th month of Mohamm. year. 2] Great annual Mohamm. fast, lasting the whole of 1.

Ramayana, Hindoo ✓, one of the two great Indian epics ✓ by Valmiki, of the aborig. tribe of Kolis on Bombay coast, in celebration of Rama, king of Oude, who conqrd. Ceylon & brought back his queen Sita, who had bn. abducted by the giant Rawana.

Rambaldi, Benvenuto, 14th cent., commentator on Dante.

Ramberg, 1] Johann H., engraver & caricatur., * 1763 Hanover, † there 6/7 1840. 2] Arth. F. v., ⚭, * 4/9 1819 Vienna, † 5/2 75.

Rameau, Jean P., Fr. ♛ ✓ & composer, * 25/12 1683 Dijon, † 12/9 1764 Paris.

Ramée, Louise de la, *v.* Ouida.

Rameses (or Ramses) II., *v.* Sesostris.

Ramillie, Ramallie, 1] cocked hat *temp.* Geo. I. 2] Wig worn up to *temp.* Geo. III. 3] Long, gradlly.-diminishing plait to hair or wig. Corrupted from Ramillies.

Ramillies, village of Brabant, Belgium; ⚔ 23/5 1706, Fr. & Bavar. deftd. by Eng. & allies und. Marlborough & Prince Eugène.

Ramism, ✍ & dialectical syst. of Pierre de la Ramée (*v.* Ramus), in opposition to Scholasticism; attempt to combine logic with rhetoric.

Ramler, Karl W., Germ. poet. & misc. ✓, * 15/2 1725 Kolberg, † 11/4 96 Berlin.

Rammohun Roy, Ind. rajah, ✝ & schol., * 1776 Burdwan, Bengal; convrtd. to Christy. (Arianism), founded Brahmo-Somaj; to Eng. as amb. fr. k. of Delhi 1833, † 27/9 near Bristol. ✓.

Ramolino, *v.* Bonaparte 2.

Ramond de Carbonnières, Louis F., baron, Fr. ✍ & polit., * 1755; Councillor of State under Bourbons, † 1827. ✓.

Rampant, heraldry, a beast standing upright on hind legs, properly on 1 ft. only, as if attackg. R.-gardant, same as R., w. animal looking full-faced.

Rampion, ❀, gen. *phyteuma* of Bell-flower fam.; esp. *P. orbiculare*, a garden flower, & *P. spicatum.*

Rampoldi, Giovanni B., Ital. ⊙ & ♛ ✓, * 1761 Milan, † 1836.

Rampur, nat. State of Rohilkhand, Ind.; 945 s.m., 500,000 inh. Chief ⊙, R.; 70,000 inh.

Ramsay, 1] Allan, Scot. lyr. poet & ✉, * 15/10 1686 Leadhills, † 7/1 1758 Edin.; monumt. there 1865. / "Gentle Shepherd" 1725, &c. 2] David, Amer. ♛, ⚡, & polit., * 1749, † 1815. 3] And. C., Scot. ⚒, * 1814; F.R.S. 49, presdt. of ⚒ Soc. 62, Directr.-Genl. of ⚒ Survey 72, presdt. Brit. Assoc. 80, knghtd. 81. /. 4] And. M., Scot. ⚓ & †, convert to Romanism, * 1686, † 1743. /. 5] Edwd. B. B., †, * 1793 Aberdeen; dean of Edin. 1846, declined three bishoprics, † 76. / "Canon ✠" 61, "Reminiscences of Scot. Life & Character" 57.

Ramsden, Jesse, Eng. ⚙, invtr. of "dividg. engine," * 1735, † 1800.

Ram-til, ✉, Ind. name for *guizotia oleifera*, cultivated for its oil.

Ramus, Petrus (Pierre de la Ramée), Fr. math. & ⚓, * 1515 Cuth; slain in St. Bartholomew's Massacre 24/8 72 Paris. /.

Ramus, anat., each of 2 branches or halves of lower jaw in man & other vertebrates.

Ramusis, Giov. B., Ital. ⚇ / & ambassador, * 1485 Treviro, † 1557 Padua.

Rana, Scand. myth., goddess of sea & wife of Aëger.

Ranavàlona, name of 3 Q.s of Madagascar. 1] I., w. of Radàma I., † 1861. 2] II., succ. 13/7 83.

Rancé, Armand J. le B. de, Fr. monk, Trappist reformer, * 9/1 1626 Paris, † 26/10 1700.

Randolph, 1] John, American statesm., * 1773 Virginia; Congressman 99, Senator 1824, duel w. Clay 26, Min. to Russ. 32, † 33. 2] John, Eng. † & class. schol., * 1749; bp. of Oxfd., of Bangor, of London, † 1813. 3] Thos., Eng. statesm. & diplom., kntd. by Q. Eliz., * 1523 Kent, † 90. / on Russia in Hakluyt's "Voyages." 4] Thos., Eng. poet. & ✆ /, * 1605, † 34. *Amyntas.*

Randon, Jacq. L. C. A., comte, Fr. marsh., * 25/3 1795 Grenoble; govr. of Algeria 1852, War Min. 59, † 16/1 71.

Rangabé, Alex. R., Grk. poet & statesman, * 8/1 1810 Constantinople; Grk. amb. to Berlin 74.

Rangoon, distr. of Pegu, Burmah; 5,691 s.m., 450,000 inh. Chf. ⊙, R., cap. of Lower Burmah, on branch of ⚓ Irawadi; 140,000 inh.; bpric.; stormed by Brit. 1852. In vicinity is Buddhist temple, said to be 2,000 years old.

Rangpur, distr. of Rajshahi Kuch-Behar, Brit. Ind.; 3,476 s.m., 2,200,000 inh. Chf. ⊙, R.; 15,000 inh.

Ranieri, Ant., Ital. ♛ & misc. /, * 8/9 1809 Naples.

Ranke, Leop. v., Germ. ♛ /, * 21/12 1795 Wiehe, Thuring.; prof. of ♛ Berlin, royal ♛ographer 41, † 23/5 86. "Popes" 34–7, "Germ. durg. Reformtn." 39–47, "France" 52–61, "Eng." 59–74, "Univ. ♛," &c.

Rankine, W. J. M., Scot. ⚙ & /, † 24/12 1872.

Rantzau, Josias, comte de, Fr. marsh., * 1609 Holstein; govr. of Dunkirk, imprisd. by Mazarin, † 50.

Ranunculaceæ, ✉, crowfoots, ord. of herbs, rarely shrubs, divd. into tribes: *clemateæ, anemoneæ, ranunculeæ, helleboreæ,* & *actæeæ;* 41 genera, 1,000 specs. (Lindley), 30 genera & 500 specs. (Hooker); damp places in Europe, N. Amer., &c.; leaves simple or compound, flowrs. regular or irreg., w. stamens & carpels indef. in number, nearly always distinct, & attached to end of flower-stalk.

Ranunculus, ✉, buttercups & crowfoots, typ. gen. of *ranunculaceæ;* 160 specs. (temp. regions), 15 Brit.

Ranzani, Camille, Ital. ✉ & zool., * 1775 Bologna, † 1841. /.

Ranz-des-Vaches, ♪, simple melodies played by Swiss shepherds on the cow-horn in collecting cattle.

Rape, 1] ♣, pop. name for 2 specs. of *brassica:* Summer R., *B. campestris;* & Winter (the true) R., *B. rapus,* the Swed. turnip, or coleseed, wh. yields R.-oil = colza. R.-seed is from *B. rapus.* 2] One of 6 divisns. of Sussex, intermed. betw. a hundred & a shire; each has a castle, ♞, & forest; identical with tithings, lathes, or wapentakes in other counties.

Raphael (Raffaele Sanzio), greatest Ital. ☻, * 6/4 1483 Urbino; studied und. Perugino; at Florence 1504–8, then to Rome, where he superintended St. Peter's, exectd. his Cartoons (now in S. Kensington Mus.), Vatican frescoes, &c., † 6/4 20 Rome.

Raphaelism, ☻, idealism as opposed to realism, after manner of Raphael.

Raphides, ♣, any crystalline formatns. in a cell, usually in form of long needles.

Rapier, ⚔, light narrow sword, blade w. lozenge-shaped section; used only for thrusting.

Rapin, Nicolas, Fr. poet. ✓, * 1540 Poitou, † 1609.

Rapin de Thoyras, P. de, Fr. ♛ ✓ & ⚔, * 25/3 1661 Castres; exiled 85 (Protestant), † 16/5 1725.

Rapp, 1] Jean, Fr. genl. under Nap. I., * 24/4 1772, † 8/11 1821. 2] Geo., fndr. of sect of † socialists (Harmonists), * 1770 Wurttemberg, † 7/8 1847 Ohio, U.S.A.

Rapparee, wild Irish plunderer; from Irish *rapaire* = noisy fellow.

Rappe, coin; the Swiss *centime.*

Rappee, strong snuff made fr. the ranker tobacco-leaves.

Raptores, zool., Swainson's name for birds of prey, superseded by *accipitres* of Linnæus & *aëtomorphæ* of Huxley.

Rara avis, Lat. = a rare bird; something unusual.

Raratonga, *v.* Cook's Islands.

Rarefaction, physics, diminution in density of air in receiver of air-pump, or at great altitudes.

Raschi, Jarchi (*q.v.*).

Raschid, *v.* Haroun al Raschid.

Rask, E. C., Dan. philol., * 22/11 1787 island of Funen; prof. at Copenhagen, † there 14/11 1832. ✓.

Raskolnik, sect of Russn. dissenters, tolerated since 1762.

Rasores, ornith., obsolete name for birds now classified as *columbidæ & gallinæ.*

Rasori, Giov., Ital. ♁ & ♁ ✓, * 1766; professor at Pavia, † 1837.

Raspail, Franç. V., Fr. ♃ & revolutionist, * 29/1 1794 Vaucluse; sevrl. times imprisoned, † 8/1 1878. Scientific & nat. ♛ ✓.

Raspberry, ♣, *rubus idæus,* wild plant, has been grtly. improvd. by cultivation.

Rassam, Hormuzd, Assyriol. & diplom., * 1826 Mossul, Mesopotamia; Layard's assistnt. in Assyria 45–7, 49–51, his successor 51–4, envoy to Theodore of Abyssinia 64, imprisd., relieved 66, explored Mesopotamia 76–82. ✓.

Rastadt, ♚ ⊙ of Baden; 14,000 inh.; congresses 1714 & 97–9.

Rastall, 1] John, Eng. printer, bro.-in-law of Sir Thos. More, † 1536. 2] His son, Wm., printer, ✓, & ♃, * 1508 London, † 65 Louvain.

Rat, zool., pop. name of larger membs. of gen. *mus* (*v.* Mouse), esp. *M. rattus,* Eng. black R.; & *M. decumanus,* brown (Norway) R., prob. nat. of China, wh. 1st apprd. in Europe 1727 & in Eng. *ca.* 1750, where it has nearly exterminated black R.

Rat-snake, zool., powerful Ind. S., *ptyas mucosus,* upwds. of 7 ft. long, wh. enters houses in search of rats, fowls, &c.

Rata, ♣, Maori name of *metrosideros robusta;* N. Zealand; wood hard.

Ratafia, spirituous liqr. flavrd. with kernels of cherries, apricots, peaches, &c., & sweetnd. w. sugar.

Ratchet-wheel, ⊕, a W. havg. inclined teeth for receivg. a R. or detent, for imparting or arresting motion.

Ratcliffe, Thos., E. of Sussex.

Brit. statesm. & diplom., * 1526; arranged marr. betw. Q. Mary & Phil. II., Ld.-dep. in Ireland, Ld. *Chamberlain 60*, † 83.

Rate, ⚓, class of a ship accordg. to magnitude or fighting power. Formerly R. of Brit. ships of war was determined by number of guns carried. In U.S.A., R. is according to tonnage.

Ratel, or Honey Badger, zool., gen. *mellivora*; 2 specs.: *M. indica*, Indian R.; & *M. ratel*, Cape R.; *ca.* 2½ ft. long, incldg. short tail; hair light above, dark beneath.

Rathlin Island, small I. 7 m. off coast of Antrim, containg. ruins of Robt. Bruce's Castle.

Ratio, math., relation wh. one quantity bears to another of same kind; *i.e.*, how many times one is contained in the other.

Rationalism, †, system which makes reason supreme arbiter in all matters of relig.; orig. as a syst. w. H. Reimarus of Hamburg 1754, & C. A. Wolff.

Ratisbon (Germ. Regensburg), ⊙ of Bavaria, on ⚲ Danube; 35,000 inh.; 13th cent. cathed.; seat of Germanic Diet 1663–1806.

Ratites, ornith., div. of terrest. birds wh. cannot fly; flat raft-like breast-bone, without "keel."

Ratlines, ⚓, small horizontal ropes betwn. the shrouds on each side of a mast, forming steps of a ladder.

Ratnagiri, distr. of Konkan, B. Ind.; 3,789 s.m., 1,050,000 inh. Chief ⊙, R.

Rattan, stem of var. specs. of *calamus*, S. Asia. Great R., *C. rudentum*. Ground R., *rhaphis flabelliformis*.

Rattazzi, Urbano, Ital. statesm., * 29/6 1808 Alessandria; leader of democrat. party 48, Minister und. Gioberti 48, Min. of Justice 54–7, Premier 62, 66, † 5/6 73.

Ratte, Étienne H. de, Fr. ✕, * 1722 Montpellier, † 1805.

Rattlesnake, zool., any spec. of Amer. gen. *crotalus*, tail of wh. has a rattle; 12 specs., includg. *C. horridus* & *C. durissus*.

Rauch, Christ., Germ. ⚲, * 2/1 1777 Arolsen, † 3/12 1857 Berlin. Tomb of Q. Louise at Charlottenburg.

Rauite, ⊕, greyish-black, finely-granular ⊕, witht. lustre, sim. in composition to Thomsonite; hardness 5·0, spec. grav. 2·48.

Raumer, 1] Fried. L. G. v., Germ. ✍/, * 14/5 1781 Wörlitz; prof. at Berlin 1819, † there 14/6 73. 2] His broth., Karl G. v., ⊕ & nat. ✍/, * 9/4 1783 Worlitz; prof. at Erlangen, † there 2/6 1865. 3] Karl O. v., Pruss. statesm., * 17/9 1805, † 6/8 59 Berlin.

Raupach, Ernest, Germ. ⊕ & poetical /, * 21/5 1784, † 18/3 1852 Berlin.

Ravaillac, Franç., Fr. † fanat., * 1578 Angoulême; assassd. Hy. V. 14/5 1610, torn in pieces by wild horses 27/5.

Ravelin, ⊕, detached work in form of triangle, base resting on ditch in front of bastion.

Raven, ornith., gen. *corvus*, esp. *C. corax*, largest of Brit. & 1 of largest of foreign passerines; becoming rare in England.

Ravenet, Simon F., Fr. engravr., * 1706 Paris; settled in Eng. 50, assisted Hogarth, † 74.

Ravenna, ⊙ Ital., nr. mth. of ⚲ Montone, cap. of prov. of R.; 21,000 inh.; cathed. & Dante's grave. R. was cap. of Theodoric's kingdom after downfall of W. Empire.

Ravenna, Giov. M. di, Ital. Ψ & scholar, † 1420.

Ravenscroft, Thos., Eng. ♪, * 1592, † 1640.

Ravius (Rau), Christ., German orientalist, * 1613 Berlin; sent to East in search of MSS. by archbp. Usher, † 77. /.

Rawal Pindi, divsn. of Panjab, B. Ind., comprisg. distrs. of R. P., Jhelum, Gujrat, & Shahpur; 16,724 s.m., 2,200,000 inh. Distr. of R. P., 6,218 s.m., 720,000 inh.; chf. ⊙ R. P., 20,000 inh.

Rawlins, Thos., ☉ & poet. ✓, † 1670. *Tom Essence* 77.

Rawlinson, 1] Geo., † & ♛ ✓, * *ca.* 1815; *pub. exam.* Oxford 54, 56, 68, 74, *Bampton Lect.* 59, Camden prof. of anct. ♛ 61, canon Canterbury 72. "♛ of Anct. *Egypt*" 81, &c. 2] His bro., Hy. Creswicke, dipl. & Ψ, * 1810 Chadlington; polit. agent Candahar 40, director E.I.C. & K.C.B. 56, memb. Ind. Counc. 58, envoy Teheran 59. Ψ ✓. 3] Robt., civ. ⚙, * 28/2 1810 Bristol; ⚙ing Sanitary Comsr. to Crimean army 55, C.B. 65, kntd. 88, Chf. ⚙ing Insp. to Loc. Govt. Bd., retird. 87, K.C.B. 88.

4] Christopher, Ang. Sax. schol., * 1677 Springfield, † 1738. 5] Richd., Ψ & topogr. ✓, † 1755. 6] Thos., book & MS. collector, * 1681, † 1725.

Ray, John, finder. of mod. natrl. science, * 29/11 1627 nr. Braintree, † 17/1 1705. ✓ "Wisdom & Goodness of God in Creation" 1697, &c.

Ray, ichth., gen. *raja*, more loosely, fam. *rajidæ*, & even section *batoidei;* flat shape; live on level sandy bottoms near coast; carnivorous.

Rayah, in Turkey, one, not a Mohammedan, who pays the Haratch, a capitation tax.

Rayleigh, John W. Strutt, Ld., natl. ♣, * 12/11 1842; sen. wrangler 65, professor of natural ♣ at Roy. Institution.

Raymond, name of 7 counts of Toulouse: 1] *v.* Raimund. 2] V., hero of the troubadours, * 1134; deftd. Eng. und. Hy. II., † 1194. 3] VI., s. of 2, & protector of Albigenses, * 1156, † 1222.

Raymond, 1] Hy. J., Amer. ✓ & polit., * 24/1 1820; finder. & edit. of *New York Times*, † 18/6 69. 2] Michel J. M., Fr. adventr. in Ind., * 1755, † 98 Haidarabad. 3] Robt., Ld., Eng. ⚔, * 1673; Att.-Genl. 1720, Chf. Just. of King's Bench 25, p 31, † 33.

Raynal, Guill. T. F., Fr. ✍ of Eng., &c., * 1713 St. Geniez, † 96.

Raynouard, Franç. J. M., Fr. philol., * 1761 Brignolles; imprisd. during 1st Revolutn., † 1836. ✓ of works on troubadours.

Razorbill, ornith., the genus *alca*, a sea-bird; sole spec., *A. torda*. The *A. impennis* (great auk) is long extinct. Bill high, compressed, furrowed at sides.

Razor-shell, *v.* Solen.

Ré, or Rhé, small island off W. coast of Fr., opposite ⊙ of La Rochelle; 6,000 inh. Brit. exped. 1627.

Re-action, ⚗, effect produced by bringing 2 or more elements or compounds together so as to form one or more new bodies.

Rea, Lough, *v.* Shannon.

Reach, Angus Bethune, nov. & misc. ✓, * 1821, † 56. "Comic Bradshaw," &c.

Read, Clare Sewell, ✓ & polit., * 1826 Ketteringham; M.P. East Norfolk 65–8, South Norfolk 68–85, parly. sec. of Local Govmt. Board 74–6, presented by Eng. ✓s with £5,500.

Reade, 1] Chas., novel & ☉ ✓, * 1814 Ipsden, † 11/4 84. "Peg Woffington" 52, "Never too Late to Mend" 57, "Cloister & Hearth" 61, "Hard Cash" 63, "Griffith Gaunt" 66, "Terrible Temptation" 71; *Masks & Faces* (w. Tom Taylor) 54, *Foul Play* (with Boucicault) 68, *Drink* 79, &c. 2] John E., poet. ✓, † 9/9 1870. "Revolt of the Angels" 30.

Reading, ⊙ of Berks.; 50,000 inh.; rets. 1 M.P.; biscuits, &c.

Re-agent, ⚗, substance which shows presence of other bodies by changes it undergoes.

Real, obsol. Span. coin (silver) = 2½d.

Real Presence, *v.* Transubstantiation.

Realgar, ◆, red or orange ◆, occurring rarely in crystals, mostly in massive & granular state; composition: sulphur 29·9, arsenic 70·1 = AsS.

Realism, *v.* Nominalism.

Realty, or Real Estate, *v.* Personalty.

Ream, strictly 20 quires, or 480 sheets, of paper, any size; more genlly. 500 sheets. Printer's R. = 21½ quires, 516 sheets.

Réaumur, Rene A F. de, Fr. natural ☿, ⊕, & ♎, invt. of R. thermom, * 28/2 1683 La Rochelle, † 17/10 1757 Bermondiere. ✓.

Réaumur's Scale, scale for a thermom in wh. the divsn is into 80 inst. of 100 pts.; named after R. A F. de Reaumur.

Rebate, 1] herald, diminution of bearings in a coat-of-arms, as when top of a weapon is broken off. 2] In commerce, an abatement in price, or discount

Rebec, ♪, Arab. or Turk. instrument w. 3 strings, played w bow, developed into the viol.

Rebeccaites, Welsh rioters who, dressed in women's clothes, attckd. turnpike gates in 1843.

Rebolledo, Bernardino, count of, Span. ⚔, ambas., & lyric ✓, * 1597, † 1677.

Reboul, Jean, Fr. baker-poet, * 23/1 1796, † 29/5 1864.

Rebus, 1] herald, representatn. of a proper name by a picture. 2] A hieroglyphic riddle or puzzle.

Récamier, Jeanne F. B, Q. of Parisian society 1815–49, * 4/12 1777 Lyons; marr. M. R. 98, † 1849.

Recension, †, an ancient Text established by a critical revision

Recent Formations, ⚒, beds more recent than Pleistocene (*q.v.*), with fossils belonging to existing species.

Rechabites, 1] Jew. ☿, sect founded by Jonadab, s. of Rechab, who bade his descendants eschew wine & dwell in tents. 2] Temperance friendly socy. fnded. Salford 1835, lodges called tents

Rechberg, Jean B., count v., Austr statesm., * 17/7 1806 Regensburg; diplom. 33, afterwards For. Min.

Recidivist, Fr. criminal who has been twice convicted.

Reciprocity, doctrine that import duties should be imposed on goods coming from countries that place duties on British goods.

Recitative, ♪, kind of singing wh. approaches speaking; used in oratorios, operas, &c.

Reclus, J. J E, Fr. ⊖ & socialist, * 15/3 1830 Sainte Foy-la-Grande, transp as Communist 71, amnest 79 ✓ "Geographie Universelle," &c.

Recognisance, ⚖, bond to keep the peace, appear to take trial, &c, or forfeit sum of money in default.

Record Office, building in Fetter Lane, Lond, where national documents are kept, begun 24/5 1851.

Recorde, Robt, math. & court ✓, * *ca* 1501 Tenby, † 58 debtors' prison, Southwark. ✓.

Recorder, ⚖, judicial offr. who in a ⊙ presides at Quarter Sessions; must be a barrister of at least 5 years' standing.

Recording-telegraph, T with an apparatus which records message

Recreative Religionists, †, Eng assocn. formed 1866 for giving scientific lectures, sacred ♪, &c., on Sund. evenings, unsuccessfully prosecuted under Sunday Act, 21 George III

Rectangle, geom, a parallelogram or quadrilateral figure whose angles are all right angles

Rectified Spirit, ♎, alcohol w. 16 per cent. of water; sp. gr. 0 838, strength 56 o p.

Rectitis, ✓, inflamm. of rectum

Rector, †, clergyman who, with cure of a parish, has the parsonage & great tithes. If the tithes are impropriated, he is a vicar.

Rectum, anat., end of alimentary canal, in man a cylindr. tube *ca.* 7 in long

Recurring Series, algebra, S. in which each term = the algebraic sum of the products obtnd. by multiplying 1 or more of the preceding terms by certain fixed quantities.

Recursant, heraldry, term applied to eagle w. back towards spectator's face.

Recusant, Eng. ♛, one who refused to acknowledge king's supremacy, or to conform to Estab. Church.

Red Chalk, ⊕, nat. mixt. of red ochre w. a clay; reddle, or ruddle.

Red Cross, *v.* Geneva Convention.

Red Deer, *v.* Stag.

Red-hand, heraldry, orig. arms of Ulster, but granted to barts. on their institution 1611.

Red-letter Day, a memorable day: so called because saints' days were marked in old calendars w. red letters.

Red Ochre, ⚗, pigmt. prepared by calcining yellow O.

Red Pheasant, ornith., *ceriornis*, gen. of *lophophorinæ*; 5 specs.; from Cashmere to Bhotan & W. China.

Red Rain, rain tinged red by cobalt chloride derived fr. meteoric dust.

Red River, 1] ⅄ of U.S.A., rising in Rocky ▲s, falling into Mississ. 200 m. above New Orleans; 2,000 m. 2] ⅄ of U.S.A. & Canada, rising in Minnesota, falling into Lake Winnipeg; 500 m. On its banks was the R. R. Settlement, partly in U.S.A., partly in Canada, colonised by Earl of Selkirk 1811.

Red Root, ✱, popular name for several species of plants of gen. *ceanothus*.

Red Sandstone, ⚒, *v.* Old R. S., New R. S., & Triassic Series.

Red Sea, or Arabian Gulf, inld. S. between Arab. on E., & Egypt, Nubia, & Abyssinia on W., communicating w. Arab. S. by Strait of Bab-el-Mandeb & Gulf of Aden. & w. Meditt. by Suez Canal; 1,400 m. long, greatest breadth 230 m., average depth 100 faths., greatest depth 1,000; many islds.; *Mare Rubrum* of the Romans.

Red-shank, ornith., *totanus calidris;* body *ca.* size of snipe; Europe & Asia. *T. fuscus*, dusky or spotted R., visits Brit. in autumn. *v.* Sandpiper.

Red Snow, snow colrd. red by a microscop. plt., *protococcus nivalis;* Arct. regions, Higher Alps, &c.

Redan, ✱, a work havg. 2 faces forming a salient angle in directn. from which an attack is expected. Specif., a Russn. ✱ on S. side of Sebastopol, unsuccessfully assaulted by Brit. 5/6 & 8/9 1855, evacuated on latter date.

Redbreast, or Robin R., *erythacus rubecula*.

Redcliffe, *v.* Stratford de Redcliffe.

Redding, Cyrus, Eng. misc. ✓, * 1785, † 28/5 1870. "Remarkable Misers," &c.

Redemptoristines, ord. of nuns founded by St. Alphonsus M. de Liguori (*q.v.*).

Redemptorists, *v.* Liguorians.

Redesdale, 1] J. F. Milford, bar., Eng. ⚒, * 1748; Sol.-Genl. & knight 93, Att.-Genl. 99, Speaker 1801, Irish Ld. Chanc. & peer 02, † 30. ✓. 2] His s., J. T. F. M., earl of, statesm., * 9/9 1805; succ. his fath. 30, chairman of Ho. of Lds. Committees 51–86, earl 77, † 2/5 86. † ✓.

Redgrave, R., ●, * 30/4 1804 Pimlico; A.R.A. 40, R.A. 51, Cross of Legn. of Honr. 55, surveyor of Crown pictures 58.

Redi, Francesco, Ital. naturalist, ✱, & misc. ✓, * 1626, † 98.

Redoubt, ✱, detached field-work inclosed by parapet, of which the salient points are little or not at all protected by flank fire.

Redpoll, ornith., pop. name for 2 Brit. specs. of *linota*, *L. canescens*, Mealy R.; & *L. linaria*, lesser R.

Redstart, ornith., gen. *ruticilla*, esp. *R. phœnicura;* Britain, Eur., & W. Asia; reddish feathers in tail, short & slender bill; nearly allied to redbreast.

Reductio ad absurdum, log., Lat. = reduction to an absurdity.

Reduction, 1] arith., converting.

quantities fr. one denomination to another. 2] ⚗ & metallurgy, removing oxygen, &c., fr. compounds.

Redwing, ornith., *turdus iliacus;* closely allied to com. thrush.

Reed, 1] ♒, popular name for grasses of gen. *arundo* & *phragmites.* 2] ♫, (1) tongue of thin metal set in vibration by air; (2) mouthpiece of clarionet, &c.

Reed, 1] Edwd. Jas., polit. & ⚓ △, * 20/9 1830 Sheerness; chief constructor to Brit. ⚓, resigned 70, M.P. Pembroke Boroughs 74–80, Cardiff 80, a Lord of Treasury 86, K.C.B. 80. 2] Andrew, Nonconf. † at Stepney & philanth., * 1787, † 11/10 1862. 3] Sir Chas., educationist & philan., * 20/6 1819, † 25/3 81. 4] Hy., Amer. critic, * 1808 Philadelphia, lost at sea 54. 5] Isaac, Shakespearian editor, * 1742 London, † 1807. 6] Joseph, ✆ ✓, * 1723 Stockton-on-Tees, † 87.

Reef, ⚓, 1] portion of a square sail betw. the head & any of the reef-bands. 2] To take in a R. 3] A line of rocks partially or wholly submerged.

Reel, ♫, lively rustic Scot. dance.

Rees, Abraham, Nonconf. † & schol., * 1743; editor Chambers' & Rees' encyclopædias, † 1825.

Reeve, 1] Hy., ♛ ✓, * 1813 Norfolk; edtr. of *Edinb. Rev.* 55, pub. sequel to Greville's "Journal" 85. 2] Clara, nov. ✓, * 1725 Ipswich, † 1803. 3] John, ✆, * 1799 London, † 1838.

Reeves, 1] J. Sims, tenor singer, * 21/10 1822 Shooter's Hill; on stage at Newcastle 39 as baritone, stud. at Paris 43, then at Milan; in Ital. opera Drury Lane 6/12 47, oratorio at Norwich 48. 2] *v.* Mathers.

Reflecting-circle, optics, instrument similar to sextant (invtd. by Mayer *ca.* 1744, imprvd. by Borda & Troughton) for measuring altitudes & angular distances.

Reform Acts, ⚖, Acts affecting Parly. representation, esp. those of 1832, 67, & 84–5.

Reformation, †, began with Wyclife & Huss 14th cent.; revived in Fr. und. Lefevre 1512, in Switz. und. Zwingli 1516, in Germ. under Luther 1517. Broadly, the Teutonic race in Eng., Scot., Germ., Switz., Holl., Swed., Norway, & Denmk. embraced it, Lat. & Celtic races rejecting it. Teutonic Austr., however, remained Cath., while Celtic Scot. became Protestant.

Reformed Church, †, orig. the Helvetic Ch., wh. rejected both transubstantiation & consubstantiation; afterwards other † bodies with similar sacramental views.

Refraction, physics, bending or deflectn. of light-ray (including heat & all other forms of radiant energy) when it passes from one medium into anoth. of difft. density.

Refrigerators, *v.* Freezing Mixtures.

Regal, ♫, portable organ in vogue 16th & 17th cents.; used chiefly to support treble voices.

Regalia, 1] ⚖, royal rights of a sovereign: power of judicature, of life & death, of war & peace, of ownerless goods, of assessments, of minting of money. 2] Insignia of royalty.

Regelation, physics, union by freezing together of 2 pieces of ice, or of ice w. a non-conducting body.

Regensburg, *v.* Ratisbon.

Reggio, 1] ⊙ of Italy, Strait of Messina, on site of anct. Rhegium, chf. ⊙ of R. Calabria prov.; 30,000 inh.; earthquake 1783. 2] Chf. ⊙ of R. Emilia prov., 15 m. N.W. of Modena; 21,000 inh.; 15th cent. cathed.; here Ariosto *.

Regiam Majestatem, Lat. = royal majesty; Scot. ⚖, collection of anct. ⚖s said to have been compiled by ord. of David I. of Scot.

Regifugium, annual anct. Rom. fest. celebrating flight of Tarquin the Proud.

Regillus Lacus, lake in Latium; ⚔ betw. Roma. & Latins 498 B.C.; by some ident. w. Lago de Cornufelle, near Frascati.

pression is taken on the mould, & when latter is dry, molten stereo-metal (alloy of lead, tin, & antimony) is poured on, left to harden, & then printed from.

Sterling, 1] John, poet. & misc. ✓, * 20/7 1806 Bute, † 18/9 44 Ventnor. "Arthur Coningsby" 33, *Strafford* 43, &c. Lives by Hare & Carlyle. 2] Antoinette, singer, * 1850 New York State; to Eng. 73, m. Mr. Mackinlay 75.
3] Edwd., Irish ⚔ & journ. ✓, ("Thunderer" of *Times*), * 1773 Waterford, † 1847 London.

Stern, 1] Julius, ♫ & ✓, * 8/8 1820 Breslau; dir. of Berlin Conservatorium. 2] Adolf, poet. & misc. ✓, * 14/6 1835 Leipzig.

Sterne, Laurence, nov., humor., & misc. ✓ & †, * 24/11 1713 Clonmel; preb. of York, † 18/3 68 London. "Tristram Shandy" 59, "Sermons" 60, "Sentimental Journey through France & Italy" 68, "♨ of a Warm Watchcoat" 69, "Letters" 75.

Sternhold, Thos., ✓ (with T. Hopkins) of old metrical version of Psalms, * *ca.* 1500 Hants, † 49.

Sternum, anat., breast-bone; present in all mammals & birds.

Stesichorus, Grk. lyr. poet, * Sicily 6th century B.C.

Stet, Lat. = let it stand; written in margin of printer's proof countermanding a correction.

Stet Processus, ⚖, Lat. = let the process stand; order to stay proceedings.

Stethometer, ⚕, instrumt. for measuring external movement in walls of chest during respiration.

Stethoscope, *v.* Auscultation.

Stettenheim, Jul., ☺ & misc. ✓, * 2/11 1831 Hamburg; ed. *Berliner Wespen* 67.

Stettin, Pruss. ⚓ ⊙, chf. ⊙ of Pomerania, on ⚓ Oder, at its entrance into the Stettiner-Haff; 92,000 inh.; shipbuilding, fair.

Steub, L., ethnol. & misc. ✓, * 20/2 1812.

Steuben, Fried. W., Amer. genl., * 15/11 1730 Magdeburg; in Pruss. service 47–63, to Amer. 78, † 28/11 94 Virginia.

Stevens, 1] Alf., ☺, * 1817, † 75. 2] Joseph, Belg. ☻, * 1832 Brussels. 3] His bro., Alf., ☻, * 11/5 1832 Brussels. 4] Geo. Alex., ☺ ✓ & humorist, * 1720, † 6/9 84. 5] Thaddeus, American statesm., * 4/4 1793, † 24/8 1868.

Stevenson, 1] Robt. L. B., nov., poet., & misc. ✓, * 13/11 1850 Edinb.; "Treasure Island" 83, "Kidnapped" 86, &c. 2] His grandfath., Robt., ⊙, * 1770 Glasgow; blt. Bell Rock lightho. 1810, † 12/7 50. 3] Sir John And., Irish ♫, * 1761 Dublin, † 14/9 1833; composer of ♫ to Moore's "Irish Melodies." 4] John Hall, English poetical & satir. ✓, * 1718, † 85. "Lyric Epistles," "Crazy Tales," &c.

Stevin, Simon, Flemish math. at Bruges, * 1548, † 1620; first to establish use of decimal fractions.

Steward of England, Lord High, formerly chf. offcr. of State, heredit. in Earls of Leicester till forfeited by Sim. de Montfort (1265) to Hy. III., at end of whose reign office ceased to be permanent; now only revived for special occasions, as coronatn. or trial of peer. Lord S. of Household is chief officer of royal household.

Stewart, 1] Alex. T., merchant, * 27/10 1802 Belfast; to New York 18, † 10/4 76. 2] Balfour, physicist, * 1/1 1828 Edinb.; prof. of naturl. ⚖ Owens Coll. Manchstr. 70–87, † 19/12 87 Ballymagarvey. ✓ "Conservation of Energy" 73, "Unseen Universe" & "Paradoxical ⚖" (both with Tait) 75 & 78, &c. 3] Donald Martin, British offcr., * 1824; in Sepoy Mutiny 57, comd. Bengal. brig. in Abyssinia 67–8, lieut.-genl. 77, comd. Candahar Column in Afghan. 79–80, won ⚔ Ghuznee 19/11 80, K.C.B. 80, bart. 81, comdr.-in-chf. in India 81–5, memb. of Ind. Counc. 85.
4] Dugald, ⚖, * 22/11 1753 Edinburgh; prof. of moral ⚖ there

85–1810, † 11/6 28. ✓ 5] Herb., Brit. officer, * 1843, lieut.-col. 80, taken prisnr. at Majuba, in Egypt & Soudanese campaigns, led column fr. Korti to Metemmeh, † of wounds 19/1 85 Gubat. 6] Dav., Brit. offcr & ✓, * 1772; govr. of St. Lucia, † 1829 "Sketches of Highlands of Scotld." 7] Matt., Scot. math & †, * 1717 Rothesay; prof. of math. at Edinb 46–75, † 23/1 85 ✓.

Stewart-Denham, Sir Jas., Scot Jacobite exile & polit. economist, * 1713, † 20/10 80. ✓.

Stickleback, ichth., gen *gasterosteus*, 10 specs, 5 Brit. *G spinachia*, fifteen-spined S.; *G. aculeatus*, 3-sp. S; *G. brachycentrus*, short-sp S, *G. spinulosus*, 4 sp. S., *G. pungitius*, 9-sp. or 10-sp S.

Stieglitz, 1] Christ. L., Germ ▲ ✓ & ⁂, * 1756, † 17/7 1836 2] Heinrich, lyric, ☉, & misc. ✓, * 12/2 1803 Arolsen, † 24/8 49 Venice

Stiehle, Gust v., Pruss genl., * 14/8 1823 Erfurt; comd 5th Army Corps 81.

Stieler 1] Adlf., German ☉, * 26/2 1775 Gotha, † there 13/3 1836 2] Karl, poet, * 15/12 1842 Munich.

Stifelius, Mich., Germ. Prot † & math., * 1486, † 1567.

Stifter, Adalb., Germ. nov. ✓, * 23/10 1806 Oberplan, † 28/1 68.

Stigand, 1] Saxon †; bp. of East Anglia 1043, of Winchester 47, archbp. of Canterbury 52. deprived by Wm I. 70, † in prison same year. 2] Wm., Eng. poet & musc ✓, * 1827. "Life of Hein. Heine," &c.

Stiglmayer, Johann B., Bavar ☉ & indr., * 18/10 1791, † 2/3 1841 Munich

Stigma, ✱, part of pistil to wh. discharged pollen adheres; genlly. at upper end of style; glandular body wh. secretes viscous matter, most abundant at fecundation.

Stigmaria, *v.* Sigillaria

Stigmata, Rom †, marks said to have appeared on St Francis of Assisi & others, corresponding to wounds received by Jesus in the Passion.

Stilicho, Flavius, Rom. genl & statesm.; deftd. Alaric ✕ Pollentia 6/4 403, put to death by Honorius (his ward) 23/8 408

Still, ⚗, vessel employed for distillation (*q v.*).

Still, John, † & ☾ ✓, * 1543, Lady Marg. prof. of † 70, bp of Bath & Wells 92, † 26/2 1608. *Gammer Gurton's Needle.*

Still Life, ☘, inanimate things, as fruit, flowers, dead game.

Stilling, Hy., *v.* Jung 1.

Stillingfleet, Edwd., † & ✓, * 17/4 1635 Cranborne; canon of St Paul's 70, dean 78, bishop of Worcester 88, † 27/3 99 Westminstr. "Origines Sacræ" 62, "Origines Britannicæ" 85, "Vindication of the Trinity" 97.

Stillington, Robt., † & Yorkist partisan, bp of Bath & Wells, Lord Chanc 1467, † in prison 91

Stilpo, Stoic ⁂ at Megara, 4th cent B.C.

Stilt Plover ornith., *himantopus candidus* (or *melanopterus*), with legs 20 in. long; occasional visitor to Britain.

Stilton, cheese made orig. at S., ⊙ in Huntingdon (6,000 inh.), now chiefly in Leicestershire.

Stinde, Jul., misc. ✓, * 28/8 1841 Holstein. "Buchholz Fam."

Sting Fish, *v.* Weever.

Sting Ray, ichth., fam *trygonidæ* of rays, esp. *trygon pastinaca*, armed w. serrated spine, inoculatd. with poisonous mucus.

Stink-stone, ⊕, bituminous limestone wh. gives off fetid odours when struck.

Stipple, Stippling, 1] engravg by dots instead of lines. 2] ☘ by small instead of by broad touches.

Stipules, ✱, 2 leaf-like organs (prob. transformed leaves) at base of leaf-stalk of some plants.

Stirling, a central Scot county; 467 s.m., 110,000 inh.; ✓ & ⚒; Ben Lomond in N W. corner; rets. 1 M P. Chf. ⊙, S., on ⚓ Forth;

17,000 inh, anct castle, w other burghs rets 1 M P ⚔ of S 1297 Eng deftd by Scots und Wallace

Stirling, 1] Fanny (*nee* Hehl pseud Clifton), ✆, * 1816 London 1st appeared at Coburg 33, m E Stirling, retired 86 2] John Hutchinson ♪ & musc ✓ * 22/6 1820 Glasg Secret of Hegel & "Sir Wm Hamilton 65, "Prot plasm 69, &c 3] Jas Scot math who introd plate glass makg fr Venice, † 1770 4] Wm Alex, earl of, Scot statesm poet & ✆ ✓, * ca 1580 Sec of State 1626, Keeper of Signet 27, peer 33 † 12/2 40

Stirling-Maxwell, *v* Maxwell 2

Stitchwort, ✿, gen *stellaria* esp *S holostea*, ♨, remedy for stitch in side

Stiver, old Dutch coin = ca 1d

Stoat, *v* Ermine

Stobbe J E Otto, Germ ⚗ * 28/6 1831 Konigsberg, prof at Leipzig 71, † 87 ✓

Stober, 1] D E, Alsatian poet ✓, * 9/3 1779 Strasburg † there 28/12 1835 2] His s Aug poet ✍, & crit ✓, * 9/7 1809 Strasburg 3] His bro, Ad, poet & musc ✓, * 7/7 1810

Stock, 1] money lent to a Govt or trading company on interest i National Debt 2] ✿, S Gilly flower, genus *matthiola*, esp *M incana*

Stocker, Adolf opposr of Jews & socialists, * 11/12 1835 Halberstadt, court preacher at Berlin 74 member of Reichstag 81

Stockholm, cap ⊙ of Sweden & of govt of S, partly on islands in Lake Maelar 225,000 inh

Stockmar, Christ F baron v, adviser of Pr Consort * 1787 Coburg, negotiated Pr C s marr, & that of Princess Victoria w Crown Prince of Prussia, † 1863

Stockport, ⊙ of Cheshire, on ⚓ Mersey, 60,000 inh, cotton, rets 2 M P s

Stocks, 1] Lumb, engraver, * 30/11 1812 Lightcliffe, A R A 53, R A 72 2] John E, ✿ in India, * 1822, † 54

Stockton, Francis Richd, Amer misc ✓ * 5/4 1834 Philadelphia Rudder Grange, &c

Stockton-on-Tees, ⊙ of Durham, 4 m fr mouth of ⚓ T, 60,000 inh returns 1 M P

Stodart, Jas ⚙ * 1760 † 11/9 1823, inventions in cutlery

Stoddard, 1] Richd Hy, Amer poet & misc ✓, * 2/7 1825 Hingham Songs of Summr 57 Late Eng Poets 65 2] His wife, Elizab novel ✓

Stoddart, Sir John ⚖ & journ ✓ * 1773, edr of *Times* Chf Just f Malta 1826–39 † 16/2 56

Stoffel, Eug baron v Germ ⚔ ✓ * 1823 Switzerland

Stoffler, Joh Germ ✎ & math, * 10/12 1452, prof at Tubingen, † 16/2 1531

Stoics, ⚗, the school teaching that pains & pleasures of intellect only were to be regarded, & those of body to be despised

Stoke upon Trent, ⊙ of Staffordshire, centre of "Potteries, municipal boro 20,000 inh, parly boro (including adjacent ⊙ships) 160 000, returns 1 M P

Stokes, 1] Geo Gabriel, phy sicist, * 13/8 1819 Skreen, Sligo, sen wrang at Camb 41 Lucasian prof of math 49, Rumford med 53 a sec of Roy Soc 54 presdt 85, M P 87 ✓ 2] Wm, ♨, * 1804 Dublin, presdt of Irish Coll of Physicians, † 7/1 78

Stola, Rom ♀, loose garment worn by matrons over tunic

Stolberg, 1] Christ, count, German poet, * 15/10 1748, † 18/1 1821 2] His bro Fried L, poet & † ✓, * 7/11 1750 Holstein, † 5/12 1819. 3] Otto, Count S Wernigerode, Prus statesm * 30/10 1837 Gedern

Stole, †, long narrow silk or stuff band on left shldr of deacons, & rund both shldrs of bps & priests

Stolz, Alban Germ R Cath †, * 8/2 1808 Bruhl, † 16/10 83 Freiburg.

Stranraer, ⚓ ⊙ Wigtonshire, at head of Loch Ryan; 7,000 inh., steam-packet service to Belfast.

Strappado, ⚔, obsol punishment in wh. offender was drawn to top of beam & dropped thence.

Strasburg, Germ. ♔ ⊙, cap. of Alsace-Lorraine, on ⚓ Ill, near confluence w Rhine; 110,000 inh; cathed. fnded. by Clovis 6th cent, rebuilt 13th & 14th cents.; univ. fnded. 1621. ♛: taken fr Germ. by Fr. 1681; taken by Germ. 27/9 1870 after siege in wh. library was burnt.

Stratford, 1] John de, Eng † & statesm, Presdt. of Council, bp of Winchester, archbp of Canterbury, † 1348 2] His bro, Robert de, † & statesm, Chancellor, bp. of Chichester, † 1362.

Stratford de Redcliffe, Str Canning, visct, Brit. diplom. & misc. ✓, * 4/11 1786 London; Min. to Switzerland 1814, M P. 35–42, ambass to Constantinople 25, 41–58 ("the Grt. Eltchi"), peer 52, K.G. 69, † 14/8 80. ✓.

Stratford-on-Avon, ⊙ of Warwickshire, on right bank of ⚓ A; 9,000 inh.; Shakesp 's birthplace Shakesp. Memorial Theatre opened 1879.

Strathnairn, H Rose, baron, Brit. genl & diplom., * 1803; comd. Central Ind. field force in Mutiny 58, comdr.-in-chf. in Ind., in field 65–70, peer 66, field-marshal 77, † 16/10 85.

Strathspey, dance in double time; kind of slow reel: invented early in 18th century

Stratiotes, ❦, water-solder, fen-plant; only 1 spec, *S. aloides;* under water except when seeds are being fertilised.

Strato, Greek Peripatetic ☘ of Lampsachus, 3rd century B C.

Stratum, ⚒, any rock or other deposit formed in layer

Strausberg, *v.* Strousberg

Strauss, 1] Dav. F., Germ. rationalist., †, & ♛ ✓, * 27/1 1808 Ludwigsburg, Wurttemberg, † there 8/2 74 "Life of Jesus" 35, "Julian the Apostate" 47, "Life of Ulrich v. Hutten" 58, "New Life of Jesus" 64, "Old Faith & New" 72, &c 2] Johann, Austr. ♫, * 14/3 1804 Vienna, † there 25/9 49, dances. 3] His s, Joh., ♫, * 25/10 1825 Vienna; waltzes, operettas

Strawberry, ❦, gen. *fragaria,* espec *F vesca* (wild in Brit.), *F. elatior* (hautbo s S.), *F. virginiana* (scarlet S.), *F. grandiflora* (pine S), *F. chilensis* (Chili S)

Streckfuss, Karl, ✓ & transl., * 20/9 1779 Gera, † 26/7 1844.

Street Geo E, ⚠, * 1824 Woodford; studied und. G. Scott, A.R.A 66, R A. 71, presdt of Roy. Instit. of Brit. ⚠s 81, designed New Law Courts, &c, † 18/12 81 ✓ "Gothic ⚠ in Spain" 65, &c.

Stremayr, Karl, Austrian statesm., * 30/10 1823 Graz, Min. of Just. & Educ. 79–80

Strepsiptera, entom., group of insects parasitic on *hymenoptera.* By some naturalists made a distinct order; by others, a degraded group of *coleoptera* & made a fam (*stylopidæ*).

Stretton, Hesba, pseud. of Sarah Smith, novel ✓

Striated Rocks, ⚒, rocks or boulders with scratches on surface, caused by masses of ice with embedded stones passing over them.

Strickland, 1] Agnes, ♛ ✓, * 1796 Roydon Hall, Suffolk, † 13/7 1874. "Lives of the Q s of Eng." 40–9, "Lives of Q.s of Scotld." 50 (both with her sister Elizabeth), "Bachelor K.s of Eng." 62, "Lives of the 7 Bps" 66, &c. 2] Hugh E, ornith. & ⚒, * 1811; prof. of ⚒ at Oxford, † 14/9 53. ✓.

Stricture, ✗, contractn of tube, duct, or orifice; esp. of the urethra.

Stringendo (Ital.), ♫, direction to accelerate time.

Strode, 1] Ralph, Eng. poet. ✓, * *ca.* 1370. 2] Wm, poet. ✓, † 1644.

Strodtman, Ad, poet. & edit. ✓, * 24/3 1829 Flensburg, † 17/8 79 Berlin.

Stroke, oarsman who sits next to coxswain & sets stroke.

Strombidæ, zool. & palæont., wing-shells; fam. of *siphonostoma*; 4 gen.: *strombus* (*ca.* 60 species), *pteroceras*, *rostellaria*, *seraphs*; shell w. expanded lip.

Strongbow (Richd. de Clare), Eng. ⚔, son of Earl of Pembroke; conqd. Dublin & became vassal-k. of Leinster, afterwards Seneschal of Ireland, † 1177.

Strongylus, zool., gen. of parasitic, thread-like worms. *S. bronchialis* infests man; *S. gigas*, man & other anims.; *S. micrurus*, calf; *S. contortus*, sheep; *S. armatus*, horse.

Strontium, ⚗, Sr, metall. element discovd. by Crawford 1787; obtained in metall. state by Davy 1808 by action of electric current on fused mixture of chloride of S. & chloride of ammonium; at. wt. 87·5, sp. grav. 2·5418. One oxide, strontia.

Strophe, former of 2 corresponding stanzas. *v.* Antistrophe.

Stroud, ⊙ of Gloucestershire; 12,000 inh.; divsn. rets. 1 M.P.

Strousberg, or Strausberg, B. H., financier, * 20/10 1823 Neidenburg; bankrupt in Russ. 76, imprisoned, freed 77, † 31/5 84 Berlin.

Strozzi, Florentine family: 1] Palla di Noferi, * 1372 Florence; exiled 1435, settled at Padua, † 8/5 62. 2] Giov. B. (or Filippo), * 1488 Florence, † in prison 18/12 1538. 3] His s., Pilso, * 1500; Fr. marsh. 56, with Dk. of Guise took Calais fr. Eng. 58, killed at siege of Thionville 20/6 58.

Struensee, 1] Johann F., count v., Dan. ♛ & statesm., * 18/1 1737 Halle; Minist. to Chas. VII., executed on charge of treason 28/4 72 Copenhagen. 2] His bro., Karl A. v., ♙, statesm., & misc. ✓, * 18/8 1735, † 17/10 1804. 3] Gust. v., rom. ✓, * 13/12 1803, † 29/9 75 Breslau.

Struthers, John, Scot. poet. & misc. ✓, * 1776, † 1853. "Plough" 16, "♛ of Scot. fr. Union to 1827."

Strutt, Joseph, engraver & Ψ ✓, * 27/10 1742 Springfield, † 16/10 1802 London. "Roy. & Eccles. Ψs of Eng." 1773, "Dress & Habits of People of Eng." 96–99, &c.

Struve, 1] Geo. F. W. v., Dan. ✎, * 15/4 1793 Altona; director of Observatory at Dorpat 1817, at Pultowa 39, determined meridian in Baltic provs., † 11/11 64 Petersb. ✓. 2] His s., Otto, ✎, * 25/4 1819 Dorpat. 3] Gustav., Germ. repub. polit., * 11/10 1805 Munich, † 21/8 70 Vienna. ✓. 4] Burckhardt G., Germ. jurist & ♛ ✓, * 26/5 1671, † 28/5 1738. 5] Georg A., Germ. diplom. & jurist, * 27/9 1619, † 15/9 92.

Strychnine, ⚗, highly poisonous alkaloid discovd. 1818 in St. Ignatius' beans, afterwards in *nux vomica* seeds; crystallises in colourless tetragonal prisms, soluble in spirit of wine & chloroform; from 1½ to 2 grains generally fatal.

Strychnos, ✱, typical gen. of *strychneæ*; Asia, Amer., Austral.; includes *S. nux vomica* (*v.* Strychnine); *S. potatorum*, whose seeds clarify muddy water; *S. toxifera*, Guiana poison-plant; & *S. innocua*, fruit eaten in Egypt.

Strype, John, biog. & Ψ ✓, * 12/11 1643 London, † 13/12 1737 Hackney. "Annals of Reformation" 09–31, "Eccles. Memorials" 21–33, &c.

Stuart, 1] Chas. Edwd., *v.* Chas. 3. 2] Lady Arabella, * 1575; dau. of E. of Lennox & cousin of Jas. I.; sent to Tower for marrying Wm. Seymour, † there insane 27/9 1615. 3] Moses, Amer. †, * 26/3 1780 Wilton, Conn.; prof. of sacred ✓ Andover 1809–48, † 4/1 52 Andover. ✓. 4] Sir Chas., Brit. officer in Amer. & Peninsular Wars, * 1758; took Minorca 83, Valetta 1800, † † 25/3 01. 5] Lord Dudley Coutts, s. of Marq. of Bute; Lib. polit., * 1803, † 54. 6] Gilbert, Scot. ♛ ✓, * 1742, † 13/8 86. "Pub. ♛ & Constitutional ♛ of Scot." 7] Gilbert C., Amer. port. ●, * 1755, † 1828.

8] Jas., ♙, ⊕, & Ψ, * 1713, † 2/2 88. / (w. N. Revett) "Ψs of Athens." 9] John, v. Bute. 10] Walter, Scot. ✕, * 1293; m. dau. of Bruce, was fath. of Robt. S., 1st Stuart k. of Scotland; deftd. Edwd. II. ✕ of Bland Abbey, † 1326. 11] James, theoret. ⊕ & polit., * 2/2 1843 Balgonie; Fellow of Trin. Coll. Camb. 67, Camb. prof. of applied ⊕ 75, M.P. 84.

Stuart-Wortley Lady Emmeline, dau. of Dk. of Rutland, poet. & misc. /, * 2/5 1806; m. Hon. C. S.-W. 17/2 31, † 29/10 55. "Travels in U.S.," &c.

Stubbes, 1] John, v. Stubbs 3. 2] Phil., misc. /, *temp.* Elizabeth.

Stubbs, 1] Wm., ♛ & † /, * 21/6 1825 Knaresboro'; 1st class in classics Oxford 48, Reg. prof. of mod. ♛ there 66, curat. of Bodleian 68, canon of St. Paul's 79, bp. of Chester 84, of Oxford 88. "Constit. ♛ of Eng." 74–8, editions of many "Chronicles," &c. 2] Geo., anim. ⊕, * 1724; A.R.A. 80, R.A. (declined) 81, † 10/9 1806. /. 3] John (or Stubbes), ✍ & polit. /, * 1541; hand cut off for polit. pamphlet, † 1600. 4] Thos., †, archbp. of York, † 1373. /.

Stucco, fine plaster, genlly. made of pure lime, slaked, settled, & mixed with clean sand.

Studding Sail, ⚓, extra sail spread beyond the sides of a square sail in light winds.

Studer, Bern., ⚒, * 21/8 1794 Büren; prof. at Bern 1823. /.

Stukeley, Wm., Ψ, ✍, & †, * 7/11 1687, † 3/3 1765. / "Itinerarium Curiosum" 24, "Stonehenge" 40, &c.

Stülpnagel, F. W. L. A. v., Pruss. genl., * 1813; comd. 13th Corps 71, retired 75.

Sturge, Joseph, Eng. Quaker polit. & philanth., * 1793, † 1859.

Sturgeon, ichth., gen. *acipenser*, esp. *A. sturio*, only spec. wh. visits British ♙s; 24 species.

Sturgeon, Wm., Eng. electrician, * 1783, † 1850. /.

Sturluson, v. Snorri.

Sturm, 1] Christ. C., Germ. †, * 25/1 1740 Augsburg, † 26/8 86. / "Reflectns. on Works of God," &c. 2] Jacob, Germ. humanist, * 1489, † 1553. 3] Jacq. C. F., Fr. math., propndr. of "S.'s theorem of resolutn. of numerical equatns.," * 29/9 1803, † 18/12 55. 4] Johann, Germ. class. edtr. & †, * 1/10 1507, † 3/3 89. 5] Johann C., German math. & physicist, * 3/11 1635, † 26/12 1703. 6] Jul., † poet. /, * 21/7 1816 Kostritz.

Sturt, 1] Chas., Eng. explr. of Austral., † 1869. 2] John, engrvr., * 1658, † 1730.

Stuttgart, cap. ⊙ of Württemberg, on ♙ Neckar; 125,000 inh.; ⚜ school, library, museum; 15th cent. cathed.; royal palace.

Style, ✍, part of a pistil betw. ovary below & stigma above.

Style, Old & New, v. Calendar.

Stylites, v. Simeon Stylites.

Styptic, ✍, medicine or preparation for staunching blood.

Styria, Steiermark, prov. of Austro-Hungarian Emp., between Austria proper & Illyria; 8,670 s m., 1,220,000 inh. Chf. ⊙, Gratz.

Styx, 1] class. myth., chf. ♙ of lower regns., wh. had to be crossed by shades of the departed on way thither. 2] ♙ of Arcadia, said to have poisoned Alex. the Gt.; now Ta Mauraneria (Black Waters).

Suabia, v. Swabia.

Suakim, Egypt. ⊙ on Red Sea; 9,000 inh.

Suard, Jean B. A., Fr. misc. /, * 16/1 1733 Besançon, † 20/7 1817. Translated Cook's "Voyages" & Robertson's ♛s.

Suarez, Francisco, Span. Jesuit †, * 5/1 1548, † 25/9 1617. / "Defensio Catholicæ," which was burnt at St. Paul's.

Suaviter, v. Fortiter.

Sub-deacon, †, lowest of Rom. orders; highest of minor orders in Greek Church.

Sub hastâ, Lat. = under the spear; by auction; sales by auctn.

being notified among Romans by spear stuck in ground.

Sub Jove, Lat. = under Jove; in open air.

Sub judice, ⚖, Lat. = under (consideration of) the judge; undecided.

Sub rosâ, Lat. = under the rose; secretly.

Sub silentio, Lat. = under (in) silence.

Subito, 𝄾, Ital. = quickly.

Subjective, ∴, the mind wh. thinks; opposed to *objective*, that wh. the mind thinks about.

Subjectivism, ∴, Kant's doctrine that human knowledge is subjective, therefore relative, yet certain.

Sublapsarian, †, doctrine that scheme of redemption was devised *after* Adam's "lapse." Opposed to Supralapsarian.

Subleyras, Pierre, Fr. ♛ ●, * 1699, † 28/5 1749.

Sublimation, ⚗, changing solid body by heat into vapour, & letting it condense into solid again.

Sublimation Theory, ⚒, doctrine that most or all ⊕ veins have been filled by S.

Sublime Porte, *v.* Porte.

Subornation of Perjury, ⚖, procuring another to commit P.; a misdemeanour.

Subpœna, ⚖, Latin = under penalty; writ commanding attendance of witness under penalty of £100, or imprisonmt. for contempt.

Succinic Acid, ⚗, organic acid composed of carbon, hydrogen, & oxygen; exists in amber, juices of many plants, & of unripe grapes, turpentine & certain lignites, anim. organisms, &c.; obtd. by distilling amber, &c.; white crystallsd. solid substance, wh. combines w. bases to form soluble salts, *succinates;* 1st recognised 1657 by Agricola.

Succulent Plants, ❦, soft cellular plants with abundant jffices.

Sucher, Jos., 𝄾, * 1843; m. Rosa Hesselbeck, singer.

Suchet, Louis G., Fr. marshal under Napol. I., * 2/3 1770 Lyons; conqd. Valentia 1812, † 3/1 26. ⚔ /.

Sucking-fish, *v.* Remora.

Suckling, Sir John, Eng. poet, * *ca.* 1609 Whitton; joined in plot to rescue Strafford, & fled to France 41, † there 7/5 41. / "Wedding" & other ballads.

Sucré, Jose, Bolivian genl., * 1793; defd. Spaniards in several ⚔s, & gained independ. of Bolivia, President 1825–8, assassinated 30.

Sucré, *v.* Chuquisaca.

Sudbury, Simon of, Eng. † & stateam., * Sudbury; bp. of Lond., archbp. of Canterb. 1375, Chancelr. 79, murd. during Wat Tyler rising 81.

Sudoriferous Glands, anat., sweat-G.s, of wh. nearly 2,800 exist on square inch of palm of hand.

Sudra, lowest Hindu caste of servants.

Sue, Eugène, Fr. nov. /, * 10/12 1804 Paris; ⚷; expelled fr. France as socialist 52, † 3/8 57 Annecy. "Mysteries of Paris" 42, "Wandering Jew" 44–5, &c.

Suetonius, Caius S. Tranquillus, Rom. ♛ /, * *ca.* 70, † 140. Lives of Cæsars, &c.

Suett, Richd., ☺, * 1758 Lond., † 6/7 1805; buried in St. Paul's.

Sueur, Eust. le, Fr. ●, * 1617, † 55.

Suevi, anct. Germ. tribe, ancestors of Swabians.

Suez, ⊙ of Egypt, near N. end of Gulf of Suez; 15,000 inh. Gulf of S., 200 × 20 m., connected with Medit. by canal (neutralised 24/10 1887) thro' Isthmus of S., projected by Lesseps 1852, opened 17/11 69; runs fr. Port Said (*ca.* 10,000 inh.), on Medit. coast, to S., 85 m. × *ca.* 260 ft. Cost *ca.* £12,000,000, of which £3,500,000 had been paid to Khedive in shares, purchased by Brit. Govt. 25/11 75 for £4,080,000. From London to Bombay *viâ* S. Canal 6,300 m.; *viâ* Cape, 11,200.

Suffolk, E. Eng. co.; 1,484 s.m., 360,000 inh.; ♂; rets. 5 M.P.s: N. (Lowestoft), N.E. (Eye), N.W. (Stowmarket), S. (Sudbury), & S.E.

(Woodbridge) divisions. Chf. ⊙, Ipswich.

Suffolk, 1] Wm. de la Pole, earl of, Eng. ⚔ & statesm.; driven from before Orleans by Joan of Arc, beheaded on charge of treason 1450. **2]** *v.* Pole **2.**

Suffragan, †, titular assistant-bp. In relation to their archbp. all bishops are S.s.

Suffren St. Tropez, Pierre A. de, Fr. adml., * 13/7 1726; deftd. Brit. in E. Indies, † 8/12 88.

Sugar exists in juices of sugar-cane, sorgho grass, many-palm-stems, S.-beet, S.-maple (*acer saccharinum*), &c.; prepd. mainly fr. S.-cane & S.-beet. Loaf-S. is raw S. refined by anim. charcoal, poured into moulds, & dried in stove.

Sugar-cane, ☙, *saccharum officinarum*, 8 to 12 feet high; India, China, S. Sea Islds., W. Indies, S. America.

Suger, Abbé, Fr. statesm. & †, * 1062; 1st Min. of Louis VI. & VII., regent for latter, † 30/1 1152.

Suggestio falsi, Lat. = suggestion of untruth; implied lie.

Suhm, Peter F., Dan. ♛ ✓, * 18/10 1728, † 7/9 98.

Sui generis, Lat. = of his (or its) peculiar kind.

Suicide, *v.* Felo de se.

Suidæ, zool., fam. composed of swine, peccaries, & wart-hogs.

Suidas, Greek lexicog. of 11th century.

Suleiman Hills, ⛰ of Afghanistan & Panjab, W. bound. of Ind., 350 m. long; highest peak Takht-i-S., w. 2 summits, 11,295 & 11,070 ft.

Suleiman Pasha, 1] Turkish genl., * 1840; in Crete 67, pasha 74, comdr.-in-chief in Montenegro 77, in Russo-Turk. War same year, † 79 Bagdad. **2]** *v.* Soliman.

Sulky, light 2-wheeled vehicle, w. seat for one occupant, used in America for trials of speed, &c.

Sulla, Lucius Cornel., Roman dictator, * 138 B.C.; consul 88, defeated Grks. at Chæronsea 86, deftd. Marius 82, dict. 82–79, proscribed all opponents, again consul 80, † 78 Puteoli.

Sullivan, 1] Alex. M., Irish polit., journ., & ✍, * 1830 Castletown; edr. & proprtr. of *Nation*, 55–76, imprisoned for sedition 66, M.P. 74, † 84. ✓ "New Ireland." **2]** His bro., Tim. Dan., poet, journ., & polit., * 1827; edtr. & proprietor of *Nation* 76, M.P. 80, Ld. Mayor of Dublin 85, imprisoned under Coercion Act 87–8. ✓ "God save Ireland," &c. **3]** Arth. Seymour, ♪, * 13/5 1842 Lond.; princpl. of National Traing. Sch. for ♪ 76–81, kntd. 83. *Prodigal Son* 69, *Light of World* 73, *Martyr of Antioch* 80; comic operas, *Cox & Box* 67, *Trial by Jury* 75, *Sorcerer* 77, *H.M.S. Pinafore* 78, *Pirates of Penzance* 80, *Patience* 81, *Iolanthe* 82, *Princess Ida* 84, *Mikado* 85, *Ruddigore* 87, &c. **4]** Barry, trag. ☉, * 1824 Birmingham; 1st appearance 40 Cork, in London (Hamlet) 52.

Sully, 1] Jas., ✍, * 1842 Bridgewater. ✓ "Sensation & Intuition" 74, "Pessimism" 77, "Illusions" 80, "Outlines of Psychol." 84, &c. **2]** Jean M., Fr. trag. ☉, * 1841 Bergerac; *sociétaire* of Com. Franç. 74.

Sully, Maxim. de Bethune, duc de, Fr. ⚔ & statesm., * 13/12 1560 Rosny; chief Min. of Hy. VI. 94, Supt. of Finance 99, to Eng. on missions 1601 & 03, dk. 06, resigned (after king's assass.) 10, marshal 34, † 22/12 41 Villebon. ✓ "Memoirs."

Sully-Prudhomme, René F. F. A., poet, * 16/3 1839 Paris; memb. of Acad. Franç. 81.

Sulphates, *v.* Sulphur, & Sulphuric Acid.

Sulphites, *v.* Sulphur.

Sulphur, ♃, symb. S, non-metallic element, found in free state in volcanic regions; also combined with metals, forming *sulphides*: iron pyrites (sulphide of iron), copper pyrites (sulph. of copper & iron), galena (sulph. of lead), blende (sulph. of zinc), &c.; also combnd. w. metals & oxygen, forming *sul-*

phates: gypsum (sulphate of calcium), heavy spar (sulph. of barium), &c.; also in many anim. & veget. organisms, & as sulphuretted hydrogen in many ♨ waters; atomic wt. 32, sp. gr. (in crystall. state) 2·05; yellow brittle solid substnce., melts at 114°–120°, boils at 440°, dissolves in bisulphide of carbon & certain oils; combines w. oxygen to form *S. dioxide* (or sulphurous-acid gas), *S. trioxide*, & *S. sesquioxide;* with hydrogen forms *sulphuretted hydrogen* (*q.v.*) & *hydrogen persulphide;* the dioxide combines w. water to form *sulphurous acid*, wh. unites w. bases to form salts (*sulphites*). Sublimed S., ℞, stimulant in skin diseases, chronic bronchitis, piles, &c.; mild laxative.

Sulphuretted Hydrogen, Hydro-sulphuric Acid, Sulphydric Acid, Hydrogen Sulphide, ⚗, compound of 1 atom sulphur with 2 hydrogen; given off fr. volcanoes, & exists in some ♨ waters (*e.g.*, Harrogate & Aix-la-Chapelle); prepared by action of dilute sulphuric acid on sulphide of iron (scrap iron heated with sulphur); colourless poisonous gas; with water forms *sulphuretted hydrogen water.*

Sulphuric Acid, Oil of Vitriol, ⚗, most important of acids; compound of 2 atoms S. hydrogen, 1 sulphur, 4 oxygen; heavy oily colourless liq., boils at 327°; prepared (1) by distilling in earthenware retorts green vitriol wh. has been gently roasted to expel water (this is Nordhausen S. A.); (2) by burng. sulphur in atmospheric air, & passing the sulphurous oxide so formed into a lead chamber w. the vapour of nitric acid, when reaction takes place betw. the two: used in manf. of colours for ●, &c.: with bases forms *sulphates* -some natural, others artificial.

Sulphuric Ether, ⚗, same as Ethyl Ether. *v.* Ether.

Sulpice, *v.* Gavarni, Paul.

Sulpician, Rom. †, congregatn. of secular priests founded 1645 by J. J. O. de Verneuil, parish priest of St. Sulpice, Paris; suppressed by Nap. I. 1812, revived at Restoratn.

Sulpicius Severus, Christian ✓ of Aquitania, 5th cent.

Sultan, any Mohamm. sovergn., esp. Emperor of Turkey.

Sultanpur, distr. of Rai Bareli, Brit. Ind.; 1,701 s.m., 1,001,000 inh. (mostly Hindus). Chief ⊙, S.

Sulu Islands, archipel. of *ca.* 150 between Philippine Islands & Borneo; 990 s.m., 200,000 inh. Annexed by Spain 1878.

Sulzer, Johann G., Swiss math. & misc. ✓, * 1720, † 99.

Sumac, Sumach, ☘, gen. *rhus;* inclds. *R. cotinus*, S. Eur., shrub wh. yields Venetian S. or Young Fustic (orange-yellow dye); *R. toxicodendron*, Poison S. of N. Amer.; *R. coraria*, from wh. the S. used in dyeing, tanning, &c., is prepared.

Sumarokoff, Alex. P., Russian ✓, * 1718, † 1/10 77.

Sumatra, ▲ous island in Ind. Archipel., separ. fr. Malay Penins. by Strait of Malacca; *ca.* 162,000 s.m., 3,700,000 inh. (Malays & kindred tribes); pepper. ♛: English settlement formed at Bencoolen, Dutch at Padang, in 17th cent.; Brit. settlemt. ceded to Holl. 1824 in exchange for Malacca, &c.; isld. now wholly Dutch except *ca.* 1,000 s.m., chfly. held by Sultan of Acheen.

Sumbawa, Dutch island in E. Archipel., E. of Java; *ca.* 6,000 s.m., 90,000 inh. (Malays). By eruption of Temboro 5–11/4 1815 12,000 lives were destroyed.

Summer, 2nd season of year; strictly fr. 21/6, when sun enters Cancer, to 23/9, autumnal equinox; popularly 1/6–31/8.

Summer Duck, Wood Duck, *aix sponsa;* N. Amer.; brilliant metallic plumage.

Summer Teal, *v.* Garganey.

Summum bonum, Latin = highest good.

Sumner, 1] Chas., Amer. statesman & anti-slavery orator, * 6/1 1811 Boston; senator 50, Chairm.

of For. Relations Comtee 61–71, † 11/8 74. 2] John Bird, †, * 1780; bp. of Chester 1828, archbp. of Canterbury 48, † 6/9 62. ✓ "Evidences of Christianity," &c. 3] Chas. R., bro of 2, †, * 1790; bp. of Winchester 1827–69, † 15/8 74.

Sun, ☉, centre of solar system: mean dist fr earth 92,700,000 m. (Ball) or 92,965,000 m. (Norman Lockyer); visible diameter *ca* 865,000 m.: mass 330,000, volume 1,330,000, times greater than earth's; mean density only ¼ earth's; axis inclined *ca.* 7° to ecliptic, rotates on it from W. to E. in 25 days 5 hrs.; moves thro' space towards point between Hercules & Lyra at 154,000,000 m. a year. The part visible to naked eye is called photosphere; around this are believed to be 3 if not 4 concentric envelopes. chromosphere, inner corona, upper atmosphere, & (perhaps) outer corona. *S.-spots* are depressions into photosphere; in 1858 one apprd 143,000 m. broad. *Faculæ* are patches of greater relative brightness. Elements known in S., as shown by spectrum. hydrogen, oxyg., sodium, magnesium, calcium, iron, titanium, manganese, nickel, cobalt, chromium, barium, copper, palladium, molybdenum, vanadium, strontium, lead, uranium, aluminium, cadmium, cerium.

Sunbirds, ornith., insectivorous fam. *nectarinidæ* of *passeres;* 120 specs; Afr, S Asia, Austral.; like humming-birds.

Sunda Islands, volc. group in E. Archipel., includg. Greater S s (Borneo, Sumatra, Banka, Java, Celebes, &c.) & Lesser S.s (Sumbawa, Timor, Lombok, Flores, &c.) Strait of S. divs Sumatra fr. Java.

Sundarbans, *v.* Ganges.

Sunday, 1st day of wk., anctly. dedicated to sun.

Sunday Letter, *v.* Dominical Letter

Sunderland, ⚓ ⊙ of Durham; 120,000 inh.; shipbuilding & coal expt; rets. 2 M.P.s.

Sunderland, 1] Robt Spencer, 2nd earl of, diplom. & statesm., * 1641; amb. at Madrid & Paris, Ld President of Council 85–88, Ld. Chamberlain 95–99, † 28/9 1702. 2] Chas Sp, 3rd E. of, * 1674; s. of 1; amb. at Vienna 1705, Sec. of State 07–10, 17, Lord-Lieut of Ireland 14, Ld. Privy Seal 15, Premier 18–20, † 19/4 22

Sun-fish, ichth., marine genus *orthagoriscus;* 2 specs. *O. mola* & *O truncatus* body nearly circular.

Sunflower, ✿, gen. *helianthus,* esp. *H. annuus;* prob. named fr. resemblance of flower to disc of sun. *v* Artichoke.

Sunn, ✿, pop. name for 2 Ind. plants *hibiscus cannabinus* (yields kind of hemp) & *crotolaria juncea;* cultivated for fibres.

Sunnites, †, Mohamm sect wh. places the Sunna, or oral law, on same footing as Koran. *v.* Shiites.

Sunstroke, ✗, attack, with apoplectic symptms, caused by excessive heat. Use cold water or ice, & give coffee or brandy.

Suo jure, Lat. = in his own right.

Suo marte, Lat. = by his own strength.

Supererogation, Works of, †, voluntary W.s over & above those commanded; used chiefly of Counsels of Perfection—Poverty, Celibacy, Obedience.

Superior, Lake, largest of N. Amer lakes, betw Ontario & States of Michigan & Wisconsin; 350 m. long, 32,000 s.m.; mean depth 900 ft.; connected w. Lake Huron by St. Mary's ⚓.

Superphosphate of Lime, 1] ⚗, compound of phosphoric acid & lime in which only ½ of acid equivalents is saturated with lime. 2] Manure made by treating ground bones or coprolites with sulphuric acid.

Suppé, F. von, ♫ composer, * 18/4 1820 Spoleto. *Fatinitza,* &c.

Supporter, heraldry, figure on

each side of shield, appearing to support it.

Supralapsarian, †, *v.* Sublapsarian.

Supreme Court of Judicature, *v.* High Court of Justice.

Surajah Dowlah, *v.* Seraj-oo-Doulah.

Surat, distr. of Guzerat, Brit. Ind.; 1,669 s.m., 610,000 inh. (mostly Hindus); rice & sugar. Chf. ⊙, S., on ⅄ Tapti; 110,000 inh.; devast. by fire & flood 1837.

Suraybaya, Dutch ⚓ ⊙ of N.E. Java; 130,000 inh.

Suraykarta, cap. ⊙ of a native State of Java; 50,000 inh.; imperl. palace.

Surd, math., quantity not expressible in numerical figures.

Surgeons, Roy. Coll. of, Eng., incorpd. 1745; of Edinb., 1803; of Dublin, 1786.

Surinam, *v.* Guiana **2**.

Surrey, a S. Eng. co., containg. part of London; 754 s.m., 1,450,000 inh.; rets. 6 M.P.s: N.W. (Chertsey), S.W. (Guildford), S.E. (Reigate), Mid (Epsom), Kingston, & N.E. (Wimbledon) divisions.

Surrey, Hy. Howard, E. of, *v.* Howard **5**.

Surrogate, generally, deputy; specif., deputy of a bp. or his chancellor, who grants marriage licences & probates.

Surtees, Robt., Eng. Ψ & poet. ⁄, * 1779, † 11/2 1834. S. Society, named after him, founded 1834 for publishing MSS. relating to ♛ of N. of England.

Surtees Society, *v.* Surtees.

Surtur, Scand. myth., giant who is to set world on fire.

Survival of Fittest, ∴, Herbert Spencer's phrase for Darwin's "Natural Selection."

Surya, Hind. myth., sun-god.

Susa, anct. ⊙, cap. ⊙ of Persia at Macedonian conquest; now Sus or Sush; ruins 3 m. in circumf.

Susanna, Apocrypha, wife of Joiachim; cond. to death for adultery; proved innocent by Daniel.

Suspension, ♯, prolonging note of one chord into the next.

Suspension Bridge, B. with platform suspended from cords, wire cables, or metal chains. Clifton S. B. 702 feet. Friburg (Switz.) 870 ft., Niagara 821 ft., Cincinnati 1,057 feet, N. York & Brooklyn 1,600 feet.

Süss-Oppenheimer, Jos., financier, * 1692 Heidelberg; Minister of Chas. Alex. of Wurttemberg; hanged 4/2 1738.

Sussex, S. Eng. ⚓ co.; 1,459 s.m., 500,000 inh.; South Down sheep; rets. 6 M.P.s: N.W. (Horsham), S.W. (Chichester), N. (E. Grinstead), Mid (Lewes), S. (Eastbourne), E. (Rye) divsns. Chf. ⊙, Chichester.

Sussex, Aug. Fredk., dk. of, *v.* Augustus **6**.

Sussex Marble, ⚒, bluish or greyish green M. wh. takes a good polish; fr. the Weald Clay.

Sutherland, N. Scot. co.; 1,754 s.m., 23,000 inh.; returns 1 M.P.

Sutlej, Satlej, one of the five ⅄s of Panjab; rises in Himalaya ⛰ joins ⅄ Chenaub; 900 miles.

Suttee, self-immolatn. of Hindu widows on husbands' funeral-pile; abolished by Brit. 1829.

Sutton, **1]** Sir Richd., Eng. ⚒, & founder (w. Bp. Smyth) of Brasenose College, Oxford, † 1524. **2]** Thos., mercht., & fndr. of Charterhouse (1611), * 1552, † 12/12 1611.

Suture, **1]** anat., the immovable junction of two parts by their margins; *e.g.*, S.s of skull. **2]** ✂ junction of edges of a wound by stitches.

Sutzos, **1]** Alexandros, Greek patriot, poet. & ♛ ⁄, * 1803 Constantinople, † 63 Smyrna. **2]** His bro., Panogiostos, poet. ⁄ & patriot, * 1806 Constantinople, † 68 Athens.

Suvaroff-Rymnikai, Alex. V., count, Russian genl., * 13/11 1729; won two Turk. campaigns, subdued Tartars, suppressed Polish revolt, † 6/5 1800.

S. V. = *sub voce*, Lat. = under the word.

Sveaborg, ⊕ ⊙ of Eur. Russ., on G. of Finland, on 7 small islands; 8,000 inh.; bombrd. by Brit. & Fr. 9–10/8 1855.

Swabia, Schwaben, prov. of Bavaria; 3,243 s.m., 640,000 inh. Chf. ⊙, Augsburg.

Swabian League, 1] formed agst. barons by ⊙s of Swabia & of the Rhine 1370. 2] Formd. by Emp. Fredk. III. 1488 to put down private wars; destroyed 150 nobles' & robbers' nests; dissolved 1533.

Swain, Chas., poet. ✓ ("Manchester poet"), * 1803, † 22/9 74. "Mind" 31, "Eng. Melodies" 49, "Songs & Ballads" 68.

Swainson, Wm., Eng. naturlst., * 8/10 1789, † 6/12 1855 N. Zealand. ✓.

Swallow, ornith., *hirundo rustica;* arrives from Africa *ca.* middle of April.

Swammerdam, Jan, Dutch naturalist & anat., * 12/2 1637 Amsterdam, † 15/2 80. ✓.

Swan, ornith., gen. *cygnus;* 10 specs., includg. *C. olor,* Mute S.; *C. atratus,* Black S. (Austral.); *C. nigricollis,* Black-necked S. (S. Amer.).

Swansea, ⚓ ⊙ of Glamorgansh., at mouth of ⚓ Tawe; docks; *ca.* 70,000 inh.; returns 1 M.P.

Swartz, Olav, Swed. ✓, * 1760; prof. at Stockholm, † 18/9 1817. ✓.

Swaziland, S. Afr. native State, bounded by Natal, Transvaal, Zululand, & Amatongs; 9,000 s.m., 50,000 inh.; Boer encroachments 1885–6.

Sweating Sickness, ✗, type of miasmatous fever introduced into Eng. by E. of Richmond's mercenaries 1485; broke out after ⚔ of Bosworth 22/8 & lasted 5 weeks; recurred 1506, 17, 28, & (its last appearance) 50.

Sweating System, syst. in large towns in wh. middlemen undertake tailoring & other contracts, & employ workmen at low wages. Subject of inquiry 1888.

Swedberg, J., Swedish ✝, poet. ✓, & grammarian, * 1653; bp. of Skara, † 1735.

Sweden & Norway, kingdoms united und. one sovereign, occupying N.W. penins. of Eur., between lat. 55° 20′–70° 12′ N. & long. 4° 37′–31° E.; bnded. by Baltic Sea & Gulf of Bothnia on E., by Atlantic on W., & separated from each other by Koelen ▲s; each has separ. Parlt., Govt., & laws. National ✝, Lutheran; education free & compulsory. *Sweden:* E. half of penins., divd. into 24 govts. (*län*); 173,974 s.m., 4,750,000 inh.; coast-line 1,550 m.; flat surface. N. distr., forest; central, ⚒; S., ✓. *Products:* oats, wheat, barley, rye, potatoes, timber, iron, gold, silver, copper, lead, nickel, zinc, cobalt, alum, sulphur, porphyry, marble. *Mnfs.:* paper, matches, &c. Railways 4,200 m., telegs. 5,500 m. Army 40,000 men, 234 guns; militia & volunteers 138,000. ⚓, 54 steamers (15 sm. ironclads), 13 sailg. vessels, 6,000 offrs. & men; reserve of 35,000. Rev. & expendit. *ca.* £4,750,000 each; debt £13,650,000. Imports £18,900,000, exports £13,700,000; imports fr. U. Kingdom £3,000,000, exports to U. K. £7,500,000. Cap. ⊙, Stockholm; univ. ⊙s, Upsala & Lund. Parlt. a Diet, with 2 elective chambers. *Norway:* divd. into 20 provs. (*amt*); 121,740 s.m., 1,925,000 inh.; coast-line broken into fiords; ▲ous; only $\frac{1}{40}$ part cultivated, forests $\frac{1}{5}$ part. Chief products, ⊕s; cod & herring fisheries & ✓, ship-bldg. & timber-dressing. Rlwys. 1,000 m., telegs. 4,850 m. Revenue & expendit. *ca.* £2,450,000 each; debt £5,880,000. Imports £7,500,000; exports £5,700,000; imprts. fr. U. Kingdom £1,500,000, exports to U. Kingdom £2,750,000. Peace army 18,000, w. reserve of 18,000, & *landstorm* of 18,000; compulsory service. ⚓, 44 steamers; merchant ⚓, 6,322 vessels. Parlt.: Storthing, indirectly elective, divd. into 2 chambers. Odelsthing & Lagthing. Cap. ⊙, Christiania; univ. ♛: *Sweden*—Finns driven out by German race wh. estabd. a kingd. First Christ.

k., Olaf; in 11th & 12th cents. civil wars; 1374 Albrecht of Mecklenburg k.; in 1389 Swed., Norway, & Denm. all und. Margaret of Denm., but union soon dissolved; Danes expelled by Gust. Vasa 1520; Vasa k. 1524; war with Russia 1611–32; Gust. Adolph. k., Christina Q. 1632; Charles XII. k. 1718; access. of ho. of Holstein Gottorp 1751; secess. of Finland 1808; war with Eng. 10, union with Norway 14. *Norway:* union of petty States by Harald Harfagar 860–930; belonged to Denmark till 1814, then united w. Sweden. King, Oscar II., * 21/1 1829; succ. 18/9 72.

Swedenborg, Emanuel, Swed. ✝ & ⚭, founder of New Jerusalem Ch. (*v.* Swedenborgians), * 29/1 1688 Stockholm; cr. baron 1719, † 29/3 72 London. ✓ "Arcana Cœlestia." "Apocalypse Revealed," "True Christian Religion," &c.

Swedenborgians, followers of Emanuel Swedenborg, who reject many canon. books of Bible, believe that Jesus Christ was Jehovah incarnate, that devil is impersonal, that in all Script. there is spiritual as well as literal sense, & that judgment took effect on the first Christian Ch. 1757, when the New Ch. (New Jerusalem of Rev. xxi., xxii.) descended from heaven. Swedenborgian Soc. founded 1810, Missionary & Tract Society 21.

Swedish Language, divd. into N. & S. dialects. Literature dates fr. 1520, when Bible was translted. Chief ✓s: Bellmann, Kellgren, Oxenstierna, Atterbom, Palmblad, Dalgren, Börjesson, Geijer, Ling, Tegner, Lindeblad, Runeberg, Gumalius, Bremer, Flygare-Carlén, &c.

Swedish Nightingale, *v.* Lind 1.

Sweetbread, *v.* Pancreas.

Sweetbriar, ✿, *rosa rubiginosa;* sometimes called Eglantine (*q.v*).

Sweet Pea, ✿, *lathyrus odoratus,* introduced from Sicily 1700.

Sweet (Spanish) Potato, *batatas edulis,* specs. of bindweed, w. roots used in Spain, &c., instead of P.s.

Sweet William, ✿, *dianthus barbatus,* of pink family.

Swerga, Hindu myth., earthly paradise on Mt. Meru, resorted to by the gods.

Swert, Jul. de, 'cellist, * 16/8 1843 Louvain.

Swi Dynasty, 12th Chinese D., founded by Yang-Kien, prince of S., 587.

Swieten, G. van, ✓, * 7/5 1700 Leyden, † 18/6 72 Schonbrunn.

Swietenia, ✿, *cedrela mahagoni,* mahogany tree of W. Ind., &c.

Swift, ornith., any individ. of fam. *cypselidæ,* esp. *cypselus apus,* comm. S.; *ca.* 50 specs.; rapid flight.

Swift, Jonathan, satir., ✝, & polit. ✓, * 30/11 1667 Dublin; sec. to Sir Wm. Temple 88, dean of St. Patrick's, Dublin, 1713, m. Hester Johnson ("Stella") privately 16, † insane 19/10 45, burd. St. Patrick's. "Battle of Books" & "Tale of a Tub" 04, "Abolition of Xtianity" 08, Drapier Letters 24, "Gulliver's Travels" 26, "Polite Conversatn.," Journal to Stella, &c.

Swimming-bladder, anat., air-bladder of fishes; hollow sac in abdominal cavity, by which fish regulates its depth in water.

Swinburne, 1] Algernon Chas., poet. & crit. ✓, * 5/4 1837 London. *Queen Mother & Rosamond* 61, *Atalanta in Calydon & Chastelard* 65, "Poems & Ballads" 66 & 78, "A Song of Italy" & "Wm. Blake" 67, "Ode on Fr. Repub." 70, "Songs before Sunrise" 71, *Bothwell* 74, "Essays & Studies" & "Songs of Two Nations" 75, *Erechtheus* 76, "Study of Shakespeare" & "Specimens of Modern Poets" 80, *Mary Stuart* 81, "Tristram & Lyonesse" 82, "A Century of Roundels" 83, *Marino Faliero* 85, "Victor Hugo" & "Miscellanies" 86, *Locrine* 87, &c. 2] Hy., Eng. jurist, † 1620 York. 3] Hy., traveller, * 1752, † 1/4 1803. ✓ "Courts of Europe," &c.

Swinden, Jan H. van, Dutch math., ✱, & statesm., * 1746 Hague; prof. at Amsterdam, † 9/3 1823.

Swine-fever, contag. & infect. disease of pigs, caused by microscopic fungus in blood; first detected in England 1862.

Swinton, John, † & Ψ, * 1703 Bexton, Cheshire, † 77.

Swithin (Swithun), St., Eng. †; bp. of Winchester 852, † 2/6 862, canonised 962; removal of body fr. graveyard to inter. of cathed. prevented by violent rain 15/7 962 & for 40 days afterwds.: hence superstition as to St. S.'s Day.

Switzerland, federl. republic of Cent. Eur., betw. 45° 50′–47° 84′ N. lat. & 5° 58′–10° 30′ E. long.; 15,981 s.m., 2,910,000 inh.; 71 per cent. Germ., 21 p.c. Fr., 6 p.c. Ital., 1½ p.c. Romanshe (in the Grisons): 41 p. c. R. Caths., 58 p. c. Protestants. ▲*s:* Alps & Jura. ⊙*s:* Berne (cap.), Zürich, Geneva, Basel, Neuchâtel. *Products:* cereals, flax, hemp, tobacco. *Mnfs.:* silks, cotton, linen, lace, thread, woollens, clocks & watches, &c. Railways 1,900 m., telegs. 4,500 m. Army on war footing (incldg. *landwehr*), 200,000. Reven. & expendit. *ca.* £2,000,000; debt £1,300,000. Impts. £39,500,000, exports £31,300,000. ♛: occupied by Roms. as Helvetia (W. part) & Rhætia (E. part). Confed. founded 1/1 1308 by Uri, Schwytz, & Unterwalden cantons; numbered 8 cantons 1353, 13 in 1513; Confed. replaced by Helvetic Republic 1798; new Confed. of 19 cantons founded by Napoleon I. 1803, modified 15, again 74; now 25 cantons, viz., Zurich, Bern, Lucerne, Uri, Schwyz, Upp. Unterwalden, Lower Unterwalden, Glarus, Zug, Friburg, Soleure, Bale ⊙, Bale (district), Schaffhausen, Appenzell (Ext.), Appenzell (Int.), St. Gall, Grisons, Argovie, Thurgovie, Tessin, Vaud, Valais, Neuchâtel, Geneva: 2 Chambers: Counc. of States (44 membs.) & National Counc. (145); govt. by federal council of 7, elected by combined Chambs. (called Federal Assembly), w. Presdt. of Confed. (J. Zemb, elected 6/6 87).

Sword-fish, ichth., fam. *xiphiidæ*, in wh. upper jaw is prolonged into sword-like weapon *ca.* 3 ft. long.

Sybaris, *v.* Sybarite.

Sybarite, luxurious person; fr. Sybaris, ⊙ of S. Italy, whose inhs. were noted for self-indulgence.

Sybel, Hein. v., Germ. ♛/, * 2/12 1817 Düsseldorf; prof. at Bonn 44, Director of State Archives Berlin 75.

Sycamore, ♣, *acer pseudo-platanus;* wild in Eur. & W. Asia; introduced into Eng. 1551.

Sycomore, ♣, *ficus sycomorus,* fig-tree; Egypt & adjacent countries.

Sycosis, Mentagra, ✱, ringworm of beard.

Sydenham, 1] Floyer, English class. transl. & critic, * 1710, † 1/4 87. 2] Thos., ✱, * 1624 Winford Eagle, Dorset, † 29/12 89. S. Society (1843) named after him.

Sydney, cap. ⊙ of N. S. Wales, founded 1788 on Port Jackson; 340,000 inh.; mnfs. & exports; 2 catheds.; archbpric.; univ. fnded. 1852.

Sydow, Emil v., Germ. ⊙, * 15/7 1812 Freiburg, Switz., † 13/10 73 Berlin.

Syenite, ⚒, metamorphic or volcanic rock of felspar & either hornblende or augite; found at Syene, Egypt. *Syenitic Gneiss* contains hornblende instead of mica.

Sykes, Wm. H., Brit. ✕ offr., * 1790; chairman of E.I.C. 1856, M.P. 57–70, † 16/6 72. /.

Sylburg, Fried., Germ. philol., * 1536, † 1612.

Sylla, *v.* Sulla.

Syllabus, Rom. †, list of 80 "chief errors" of the age; compiled by order of Pius IX., publd. 8/12 1864.

Syllogism, logic, argument of 3 propositions: 2 premises (major & minor) & conclusion; *e.g.*, All ruminants are quadrupeds (major prem.); all deer are ruminants (min.

prem.); therefore all deer are quadrupeds (conclusion).

Sylphs, aerial beings intermed. betw. spirits & corpor. existences; both male & female.

Sylvester, 1] 3 Popes: S. II., 999–1003, learned; S. III., antipope 1044, expelled by Benedict IX. 3 months afterwards.

Sylvester, 1] Joshua, Eng. poet. / & transl., * 1563, † 1618. 2] Jas. Joseph, math., * 1814, /.

Sylviadæ, *v.* Warblers.

Syme, James, Scot. ⚕, * 1799; prof. of clinical surgery Edinb. 33, † 26/6 70. /.

Symes, Mich., Brit. officer & traveller, * *ca.* 1760; envoy to Burmah 95, † 22/1 1809. /.

Symmachus, Quintus A., Rom. consul 4th cent.; band. for attempts to revive paganism, † *ca.* 410.

Symmons, Chas., ✆ & misc. /, * 1749 Cardigan, † 27/4 1826.

Symonds, 1] John A., poet. & misc. /, * 5/10 1840 Bristol; Fell. of Magdal. Coll. Oxford 62. "Renaissance in Italy" 75–86, &c.

2] Sir Wm., Brit. ⚓ offr., * 24/9 1782; surveyor of R.N. 1832–47, rear-adml., † 30/3 56.

Sympathetic System (of Nerves), anat., series of knots of nerve-matter (ganglia) connected by 2 chains of nerve-fibre, 1 on each side of spinal column; connected chiefly w. organs of digestion, circulation, & respiration. *v.* Nervous System.

Symphony, 𝄞, highest form of orchestral composition; consisting of introduction, allegro, andante, scherzo, & finale.

Sympiesometer, ⊛, instrumt. invtd. by Mr. Adie for measuring weight of atmosph. by compression of column of gas.

Synagogue, the Great, Jewish †, ruling assembly constituted by Nehemiah (probably) *ca.* 410 B.C.; develop. into Sanhedrim *ca.* 300 B.C.

Syncopation, 𝄞, alteration of rhythm by driving accent to part of bar not usually accented.

Syncope, ⚕, fainting; due to temp. failure of heart's action.

Syncretistic Controversy, †, series of C.s in Lutheran Church in 17th century respecting union between Protestant Churches of Germany.

Syndic, 1] Govt. or munic. offcr. w. powers varying in difft. places. 2] In Camb. Univ., officers chosen from Senate to regulate fees, control Clarendon Press, &c.

Synecdoche, rhet., figure of speech by which whole is taken for part, or *vice versâ.*

Synesius, Greek Christian ✠, * 378 Cyrene, † 431. /.

Synod, †, assembly of †s for consultation. S. of Dort, 1618–19, condemned views of Arminius. A Presbyterian S. is intermed. betw. General Assembly & a Presbytery; or, in absence of Assembly, the highest court.

Synoptics, †, 1st 3 Gospels: so called from closely resembling one another.

Syntax, section of grammar relating to construction of sentences.

Synthesis, 1] logic, ascending from particular to general cases; opposed to analysis. 2] ⚗, buildg. up complex bodies by direct union of their elements; *e.g.*, water, by union of hydrogen with oxygen.

Syra, 1 of Cyclades Islands, 10 × 6 m.; *ca.* 27,000 inh. Chf. ⊙, S., or Hermopolis.

Syracuse, 1] ⊙ of Sicily, on S.E. coast; 24,000 inh. ♛: orig. a Grk. colony; became largest ⊙ in S., w. 500,000 inh.; taken by Roms. 212 B.C. after 2 years' siege. 2] ⊙ of N. York, U.S.A., on Erie Canal; 55,000 inh.; salt works.

Syr-Daria (anct. Jaxartes), ⚓, of Central Asia; rises in Thian Shan ⛰, E. Turkestan, falls into Sea of Aral; 1,150 miles.

Syria, distr. of Asiatic Turkey, betw. Arabia & Medit. Sea; inclds. Palestine: 145,000 s.m., *ca.* 2,250,000 inh. Taken by Turks from Mamelukes of Egypt 1517.

Syrianus, Neo-platonist ☗ at Athens, * 380 Alexandria, † 450.

Systyle, ▲, cluster of columns 2 diameters of a column apart.

Syzygies, ☌, points of a planet or of moon's orbit, at wh. planet or moon is either in opposition to or conjunction w. sun. When moon is in either of the middle points of orbit (betw. conjnctn. & oppositn.), she is in *quadrature*.

Szalkai, Ant. v., Hung. ✠ ✓, † 1804.

Széchényi, Steph., count, Hung. statesman, * 21/9 1792 Vienna, † by suic 8/4 1860.

Szegedin, 2nd ⊙ of Hungary, on ⚲ Theiss; 75,000 inh Almost destroyed by inundtn. 12–13/3 1879

Sze-ma-Kwang, Chin. ☙ ✓, * 1018 † 86.

Sze-ma-Tseen, Chin. ☙ & poet ✓, * 145 B C, † 80.

Szigligeti, Ed (J Szathmary), Hung. ✠ ✓, * 1814, † 20/1 78.

T.

T, 20th letter of alphabet, consonant T = 160; $\overline{T}$ = 160,000.

Taafe, Ed., count, Austr states man & Irish earl, * 24/2 1833 Prague; Min of Interior 67, War Min & Premier 69–70, govr. of Tyrol 71, Prem. & Min. of Inter. 79

Tabanidæ, Breeze Flies, Gad Flies, cosmopol fam. of *tanystoma;* bloodsuckers; 4 gen. · *tabanus, hæmatopota, chrysops* (all British), *pangonia.*

Tabard, 1] light vestment worn over armour & generally embroidered w. wearer's arms. Now official dress of heralds 2] Inn in High St., Southwark, fr. wh. Chaucer's pilgrims start for Canterbury; brnt 1676, last remns. destryd. 1874

Tabari, Abu J. Mohammed, Arab ☙ ✓ & Koran commentator, * 839, † 922

Taberdar, schol of Q.'s College, Oxford; formerly wore tabards

Tabernacle, Jewish ☥s, tent made by Moses as local habitation for Jehovah during wanderings in Wilderness; supersed by Solomon's Temple, of which it was model.

Tabernacles, Feast of, Jewish festival, from 15th to 23rd Tisri (= Oct. 3–11), during which people in booths, on house-tops, &c, commemorate tent-life in Wilderness.

Tabernæmontanus, Jacob G., Germ. ☙ & ✓, * 1520, † 90. ✓ of Herbal, &c.

Table-land, phys ⬭, plain at considerable height above sea-level.

Table-money, allowance to ✕ genl offrs. & ⚓ flag-offrs for purposes of hospitality, in addition to pay

Table-turning, phenomena attrib. by Faraday to unconscious muscular action

Tableaux Vivants, Fr. = living pictures; representats. of picture or statuary grps by living persons.

Taboo, † (South Sea *tabu,* Maori *tapu* = sacred), custom in Polynesia & New Zealand of separating persons, places, or things fr common use; employed in social & political (as well as †) affairs; violation a capital crime; now dying out.

Tabor, ♅, small shallow drum, beaten with fingers or stick as accompaniment to pipe, which was fingered with left hand.

Tabor, ▲ of Galilee, near Nazareth, 1,000 feet above plain.

Tabor, Johann O., Germ. jurist, * 1604, † 12/12 74. ✓.

Taborites, †, section of Calixtines, named from encampment (*tabor,* Bohem. = tent) on ▲ near Prague 1419, where they assembled to receive communion in both kinds After many atrocities they were dispersed 1453 by Geo Podiebrad, afterwards king of Bohemia

Tabouret, Right of, privilege formerly enjoyd by ladies of highest rank in Fr of sitting on T. (drum-like stool) in queen's presence.

Tabourot, Étienne ("Le Sieur des Accords"), Fr. humorist, * 1547 Dijon, † 90.

Tabriz, Tabreez, Pers. ⊙, Azerbijan prov.; trade; blt. on Europ. model; 170,000 inh.

Tabula rasa, Lat. = smooth tablet; waxed tablet ready to be written upon. ♁, used by Sensationalists of 17th cent. to describe state of human mind prior to experience, in opposition to theory of innate ideas.

Tabulæ Toletanæ, ✱ tables composed at Toledo 13th cent. by order of Alphonso X. of Castile.

Tacca, ❀, trop. gen. of herbs, ord. *taccaceæ;* tuberous roots, net-veined leaves springing fr. level of soil; 6 or 7 specs.; tubers of *T. pinnatifida, T. dubia,* & *T. montana* yield kind of arrowroot; fr. stalks of *T. pinnatifida* bonnets are made in South Sea Islands.

Tacca, Piero G., Ital. ♘, † 1640; statue of Ferdinand III. at Leghorn, of Philip IV. at Madrid.

Tachard, Gui, Fr. Jesuit missionary in E., * 1650, † 1712 Bengal. ✓ "Voyage à Siam en 1685."

Tacitus, 1] Caius Cornelius, Rom. ♛ ✓ & orator, * 55; consul 97, † *ca.* 130. "Life of Agricola." "Historiæ," "Annales," "De Moribus et Populis Germaniæ," "Dialogus de Oratoribus." 2] Marcus C., Roman Emp., * 200; succ. Aurelian 275, † 9/4 276. 3] Ælianus Claudius, Rom. ✓ & rhetorician, † *ca.* 250.

Tacquet, Andreas, Dutch math. & Jesuit, * 23/6 1612, † 23/12 60.

Tadatoshi, Japan. carver, 18th century.

Tadema, L. Alma, *v.* Alma-Tadema.

Tadmor, *v.* Palmyra.

Tadpole, *v.* Batrachia.

Tael, 1] Chinese coin = *ca.* 55d. sterling. 2] Chinese wt. = 1·3 oz.

Taeping Rebellion, ♛, revolt organised in 1850 against Chinese govt. by Hung-sew-tseuen, who professed to have divine command to root out Tartars & estab. new kingdom of univ. peace, Taeping. Finally suppressed by Genl. Gordon, after taking Nanking. † of the T.s, mixture of idolatry & Christianity.

Taffeta, Taffety, originally plain woven silks; later, light thin glossy silk stuff.

Taffi, Andrea, Italian ♚, * 1213 Florence; introd. mosaic designing into Italy, † 94.

Taganrog, ⚓ ⊙ of Europ. Russ., near chief mouth of ⅄ Don, N. side of Sea of Azov; 50,000 inh.; exports wheat.

Tagesen, *v.* Tauson.

Tagliacozzi (Taliacotius), Gasparo, Ital. ✱ & anat., * 1546 Bologna, † 7/11 99.

Taglioni, 1] Maria, Ital. dancer, * 23/4 1804 Stockholm; to London 38, marr. Count de Voisins 32, retired 47, † 84 Marseilles. 2] Her bro., Paul, dancer, * 12/1 1808 Vienna, † 84 Berlin.

Tagus, largest Span. & Portug. ⅄; rises in Celtiberian ⛰, falls into Atlantic at Lisbon; 590 miles.

Tahiti, *v.* Society Islands.

Tail, ⚖, *v.* Entail.

Tailor Bird, ornith., *orthotomus sutorius;* Ind., Eastern Peninsula, China, &c.; nest made of leaves sewn w. cobwebs, silk fr. cocoons, thread, wool, & vegetable fibres.

Taine, Hipp. A., Fr. critic. & ♛ ✓, * 21/4 1828 Vouziers; prof. in School of Fine Arts, Paris, 64, D.C.L. Oxf. 71, memb. Acad. Franç. 78. "♛ of Eng. ✓" 69, "Eng. Positivism" 64, "Origines de la France" 77.

Tait, 1] Archibald Campbell, ✝, * 22/12 1811 Edinb.; educ. Edinb., Glasgow, & Oxford; head-master of Rugby 42, dean of Carlisle 49, bishop of London 56, archbishop of Canterbury 68, † 8/12 82 Croydon. ✓ "Dangers & Safeguards of Mod. ✝" 61, &c. 2] Peter G., physicist, * 28/4 1831 Dalkeith; sen. wrang. at Camb. 52, prof. of natural ♁ Edinb. 60. ✓ "Properties of Matter" 85, "Unseen Universe" (with Balf. Stewart) 75, &c.

Takuma, Jap. ♚, 11th century.

Talavera de la Reyna, Span. ⊕, Toledo prov.; 10,000 inh. ⚔ 27-8/7 1809, Fr. under Victor & Sebastiani deftd. by Brit. & Span. under Wellesley.

Talbot, 1] Catherine, devotional ✓, granddau. of 6, * 1720, † 9/1 70. 2] Chas., Ld., ⚖, son of 6, * 1684; polic.-genl. 1726, Lord Chanc. 33, † 14/2 37. 3] Edwd., *v.* Kelley. 4] Jno., 1st E. of Shrewsbury, ⚔ & statesm., son of Sir Richard T. (of Goodrich Castle, Herefordshire), * 1378; Lord Justice of Ireland 1412, 15, comdr. of Eng. army in Ireland 18, deftd. by Joan of Arc ⚔ Patay 18/6 29 & taken prisoner, earl 42, defeated & killed ⚔ Chatillon 20/7 53. 5] Peter, Rom. Cath. †, * 1620 Dublin; archbp. of Dublin 69, informed agst. by T. Oates & imprisd. 78, † 80. ✓. 6] Wm., †, * 1659; dean of Worcester 91, bp. of Oxfd. 99, of Salisbury 1715, of Durham 22, † 10/10 30. 7] Wm. H. F., scient., * 1800; discovd. fixing of photographic images, instantaneous process, & polyglyptic engravg., F.R.S. 32, † 17/9 77.

Talbotype, *v.* Calotype.

Talc, ⊕, whitish or green ⊕ w. pearly lustre & greasy feel; 1st ⊕ in Mohs' scale of hardness, 1 to 1·5; can be scratched with finger; occurs in short hexagon. prisms & plates, & in glob. & stellated groups; basal cleavage; sp. gr. 2·565 to 2·8; composition, essentially hydrated silicate of magnesia; divd. by Dana into (1) foliated, (2) massive (steatite or soapstone), which includes Fr. chalk. Steatite is used for tips of gas-burners, parts of furnaces, &c.; finer-coloured varieties for ornaments.

Talegalla, ornith., gen. of *megapodidæ*, 2 species, E. Australia & New Guinea; called Brush-turkeys, from wattled skin on head & neck.

Talent, ⚱, wt. & denomination of money among Grks., differing at various times; applied by them also to wts. & denominations of money of other nations. Euboïc or Attic T. = 56 lbs. 11 oz. troy; Æginetan T. = 82½ lbs. In money, a T.'s weight of silver = £243 15s. Roman great T. = £99 6s. 8d., little T. = £75. Hebr. T. = 93 lbs. 12 oz. avoirdup.; in money, from £312 10s. to £396.

Tales, ⚖, Lat., masc. plural of *talis* = such; persons chosen to fill place of defaulting jurors.

Talfourd, Thos. N., ⚖, polit., ⊕, & misc. ✓, * 26/1 1795 Reading; serjt.-at-⚖ 1833, M.P. for Reading 35–41, 47–9, judge of Com. Pleas 49, † 13/3 54 Stafford. ✓ *Ion* 36, *Glencoe* & *Athenian Captive* 38, Letters & Memorials of Lamb 37 & 48, &c.

Talhaiarm, Welsh bard middle of 7th century.

Taliacotius, *v.* Tagliacozzi.

Taliesin ("Chief of the Bards"), 6th century Welsh bard.

Talipot Palm, ☘, *corypha umbraculifera;* of Ceylon & Malabar coast, cultd. in Bengal & Burmah; pith made into kind of sago; leaves into fans, mats, umbrellas, or written upon with steel stylus.

Talisman, charm consisting of engraved magical figure, worn as protection against disease, &c.

Tallage, taxes in feudal times on Crown lands & royal towns; more rigorous & arbitrary than those imposed by knights (scutage). Taxes on lands not held under ⚔ tenure were called hidage.

Tallard, Camille, duc d'Hostun, Fr. marshal, * 14/2 1652; lieut.-genl. 93, amb. to Eng. 97, won ⚔ Speierbach 15/11 1703, deftd. & captd. at ⚔ Blenheim 13/8 04, released 11, Sec. of State 26, † 30/3 28.

Tallemant, 1] Paul, Fr. † & ✓, * 1642, † 1712. 2] His cousin, Franç., Fr. Abbé, ✓, * 1620, † 6/5 93; translated Plutarch.

Tallents, Francis, Eng. † & chronologist, * 1619; president of Magdalen Coll., ejected from St. Mary's, Shrewsbury, 60, † 1708. ✓.

Talleyrand-Perigord, Chas. M., dk. of, Fr. diplo. & †, * 13/1 1754 Paris; abbé 74, genl. agent of Fr.

clergy 80, bp. of Autun 88, resigned 90, amb. of Fr. to Eng. 92–4, For. Min. 97–9, joined Napoleon I., Louis XVIII.'s Prime Min., amb. to Eng. 1830–35, † 17/5 38. "Memoirs" not yet published.

Tallien, Jean L., Fr. revolut. polit., * 1769 Paris; presdt. of Convention 94, overthrew Robespierre, suppressed revol. tribunal & Jacobin Club same year, w. Napol. to Egypt, † 16/11 1820.

Tallis, Thos., Eng. † ♫ composr., * 1529, † 23/11 85.

Tallow, the harder & less fusible fats, consistg. of stearin, palmitin, & olein; prepared fr. beef, mutton, & other fats by melting the fat at lowest possible temp. & allowing liquid to clarify by standing, when the clear fat is drawn off.

Tallow Tree, ♃, *stillingia sebifera,* China; seeds covered with kind of wax, used for making candles; wood used for printing blocks, leaves for dyeing black.

Tally, notched stick formerly used for keeping accounts, records, &c.; method introd. into Eng. by Normans 1066. In commercial affairs the stick was split, seller keeping one half, buyer the other. System of issuing Exchequer T.s to State creditors not abold. till 1782, when 25 Geo. III., c. 82 was passed. The accumulated T.s were ordered to be burnt 1834, by 4 & 5 Wm. IV., c. 15; & by the stove in wh. they were consumed being over-heated Houses of Parlmt. were destroyed.

Talma, Franc. J., Fr. trag. ☺, * 18/1 1763 Paris; to London 1817, † 19/10 26 Paris.

Talmud, Hebr. ✓, work in wh. was comm'tted to writg. the "Tradition of the Elders" which in time of Jesus was chiefly if not wholly oral. Two parts: Mishna, text, in Hebrew; & Gemara, commentary, in Aramæan. Deals w. †, ethics, ⚖, ♛, &c. Not written till after academies of Palestine were broken up 4th cent., & those of Babylonia in 5th. Two T.s: the Jerusalem & the Babylonian; latter compiled by Rabbi Ashe († 427) & his immed. successors; four times as long as former; Mishna the same in both.

Talpidæ, zool., fam. of insectiv. anims. to wh. moles belong; 2 subfams. *myogalinæ* & *talpinæ;* temp. regns of Eur., Asia, & N. Amer.

Talus, Grk. myth., man of brass who made himself red-hot when he saw strangers approaching Crete & embraced them to death.

Tamarin, gen. of marmosets; restless & active, but easily tamed.

Tamarind, ♃, *tamarindus indica,* ord. *leguminosæ;* 2 vars., 1 in E. Inds., other in W. Ind.; those sold in Eng. are chfly. latter, pulp being preserved in sugar. ℞, lining tissues of pod a gentle laxative; pulp makes coolg. drink in fevers.

Tamarisk, ♃, gen. *tamarix,* typ. of ord. *tamariscineæ;* specif. *T. gallica* (or *T. anglica*), evergreen shrub, nat. to S. Eur., N. Afr., Arab., Tartary, & Japan; this & *T. africaria,* when burnt, yield sulphate of soda. *T. mannifera* yields "manna" of Mount Sinai, arising from puncture of an insect, *coccus mannipara.* Galls & bark of *T. indica, T. disica, T. furas,* & *T. orientalis,* contain tannic & gallic acids & are used in tanning & dyeing; ℞, astringent.

Tamberlik, Enrico, Italian ☺ singer, * 1820 Rome; 1st appeard. at Naples 41.

Tambourine, ♫, hand-drum w. small cymbals, pop. all over Europe, esp. in South.

Tamburini, 1] Ant., Italian baritone singer, * 19/8 1800 Faenza; to London 32, † 8/11 76. 2] Pietro, Ital. †, † 1737 Brescia; prof. of † & moral ⚖ Pavia, † 1827. ✓.

Tamerlane, *v.* Timûr.

Tamils, Tamuls, race in S. of India & Ceylon, of Dravidian stock.

Tammany, Delaware chief of 17th cent., chosen by Amer. democrats as their tutelary saint.

Tammany Ring, polit. gang in New York wh. by bribery & cor-

ruption secured control of municipal revenues & plundered them, 1865–75.

Tamworth, ⊙ of Staffs. & Warwick; 5,000 inh.; division returns 1 M.P.

Tanager, ornith., pop. name for any specs. of fam. *tanagridæ;* brilliant plumage; more than 300 specs., all Amer., mostly S. Amer.; inclds. lesser rufous-headed T. & scarlet T.

Tananarivo, *v.* Antananarivo.

Tancred, 1] Sicilian prince of Norman descent, * 1078; a leader in 1st Crusade 96–99, † 1112 Antioch. 2] k. of Sicily; succ. Wm. II. 1190, † 20/2 94.

Tandem, Lat. = at length; 2 horses driven one before the other, or 2 cyclists riding in same positn.

Tanganyika, lake in Cent. Afr., S. of Victoria & Albert Nyanza lks.; 390 m. long, 15–60 m. broad, *ca.* 18,360 s.m.; discovrd. by Burton & Speke 1858; shores populous.

Tangent, 1] geom., straight line wh. meets or touches a circle or curve in one point, &, being produced, will not cut it. 2] Trigonom., T. of arc or angle is straight line touching the circle of wh. the arc is a part at one extremity of the arc, & meetg. the diameter passing thro' the other extreme; or, that part of a T. drawn at first extrem. of an arc, & limited by a secant drawn through second extremity.

Tanghin, ♂, gen. *tanghinia,* of *plumierea;* only 1 spec., *T. venenifera,* Madagascar, poisonous tree; called Ordeal-tree, fruit being formerly used as ordeal in criminal trials.

Tangier, ⚓ ⊙ of Morocco, near W. entrance to Strait of Gibraltar; *ca.* 10,000 inh.; captd. by Portugal 1471, ced. to Eng. 1662, evacd. 83.

Tangle, pop. name for brown sea-weeds of gen. *laminaria;* used for kelp, manure, fodder, & fuel.

Tanjore, distr. of Madras, Brit. Ind.; 3,645 s.m., *ca.* 20,000,000 inh., nearly all Hindus. Chief ⊙, T.; 55,000 inh. Highly cultivated w. rice, irrigated by delta of Cauvery R.

Tann-Rathsamhausen, Lud., baron v. der, Bavarian genl., * 18/6 1815; lieut.-genl. 60, deftd. De Failly at Beaumont 30/8 & took Orleans 11/10 70, comdr. of 1st Army Corps, † 26/4 81.

Tannahill, Robt., Scot. poet. ♂, * 1774 Paisley, † there by suic. 1810. "Flower o' Dumblane," "Battle of Vittoria," &c.

Tanner, Thos., Ψ & ✝, * 25/1 1674 Market Lavington; edited Wood's "Athenæ Oxonienses" 1721, bp. of St. Asaph 31, † 14/12 35. ♂ "Notitia Monastica" 44.

Tannevot, Alex., Fr. ☉ ♂, * 1692, † 1773.

Tannhäuser, minnesinger of 13th cent.; myth. hero of Germ., beloved of Lisaura, who destroyed herself out of jealousy.

Tannin, Tannic Acid, ♃, astringent subst. fnd. in bark, &c., of plants; mostly amorphous, with rough but not sour taste, & slight acid re-action; colours ferric salts dark blue or green. Gelatine, solid muscular fibre, skin, &c., under tannin lose liability to putrefaction. Chief sources of T. used in tanning: oak-bark, nut-galls (gallotannic acid), sumach, gambir, divi-divi, myrabolans, valonia, kino, catechu.

Tansillo, Luigi, Ital. poet. ♂, * 1510, † 1/12 68. "Tears of St. Peter," &c.

Tansy, ♂, pop. name for *tanacetum vulgare,* strongly-scented herb, sometimes wild in Britain. ♂, anthelmintic & febrifuge.

Tantalum, ⊕, rare pentad metal. element, discovered by Ekeberg in 1803 in ⊕s tantalite & yttro-tantalite; symb., Ta; atom. wt. 182.

Tantalus, Grk. myth., king of Lydia & s. of Jupiter, who cond. him to stand in lower world up to his chin in water wh. he could not drink, among fruits which he could not pluck.

Tantia Topee, Nana Sahib's lieut., * *ca.* 1819, executed 59.

Tantum ergo †, Lat. = so much, therefore; title of Eucharistic hymn in Rom. Ch.; named fr. first 2 words of one of the strophes.

Tanucci, Bernardo, marq. di, Ital. ⚖ & statesm., * 1698, † 1783.

Taoism, Taouism, †, Chinese relign. founded 6th cent. B.C. (?) by Laotse, who was after his death divinised. Modified by Buddhism.

Tape-worm, zool., intestinal worm, resembling tape; *tænia solium*, pork tape-worm, resulting fr. eating measly pork, 5–15 yards long; no mouth, nutrition probably through tissues; beef T., *T. mediacanellata*, 15–23 ft.; broad T., *bothriocephalus latus*, 25 ft. × 1 in., chiefly infests inhabs. of Switzerland, Russia, Poland.

Tapioca, *v.* Cassava.

Tapir, zool., gen. *tapirus*, *ca.* 6 specs., only 1 in Old World (Malay, Sumatra, Borneo), rest S. America.

Taplin, Wm., Eng. veterin. ✚, * 1750, † 1807. ✓.

Tar, thick oily liqr. produced in dry distillation of organic bodies & bituminous ⊕s; ⚗ constitution very complicated, probably a mixture of acid, alkaline, & neutral substances. Tar fr. pine-tree (*pinus sylvestris*) is brought from Russia, Norway, Germ., & Swed. First made from coal 1779. *Light oil* consists chiefly of benzine & other hydro-carbons of same series; *Dead oil* of carbolic acid, aniline, naphthaline, &c.

Tara, ✿, native name for 1] Talipot Palm (*q.v.*). 2] *Colocasia macrorhiza*, Tahiti. 3] *Caladium esculentum*, Sandwich Islands.

Tarai, distr. of Rohilkhand, Brit. Ind.; 920 s.m., 190,000 inh. (mostly Hindus; admin. head-qrtrs. Naini Tal.

Taranaki, district (formerly prov.) of New Zealand, in S.W. of N. Island; 3,339 s.m., 15,000 inh. Chf. ⊙, N. Plymouth; 3,500 inh. Settled by N. Zealand Compy. 1841.

Taranis, Druid myth. = Jupiter.

Tarantella, ♪, rapid Neapolitn. dance in triplets.

Tarantism, ✚, epidemic dancg. mania in Italy 16th & 17th cent., arisg. from fear of bite of tarantula; closely allied to St. Vitus's dance.

Taranto (anct. Tarentum), Ital. ⊙, Lecce Prov., on rocky island in Gulf of T., connected w. mainland by bridge; 85,000 inh.

Tarantula, zool., *lycosa T.*, large spider, nat. to Italy (named from Taranto). Bite formerly believed to cause tarantism (*q.v.*).

Taraxacum ✿, gen. of *lactuceæ*, number of specs. doubtful, perhaps only one, *T. officinale*, Dandelion. Root used in ✚ for liver complaint.

Tare, *v.* Vetch.

Tare, allowance or deduction made on gross wt. of goods sold in boxes, barrels, &c., for wt. of such boxes, &c. Said to be *real* when true weight of package is known; *average* when estimated; *customary* when uniform rate is deducted. *v.* Tret.

Targioni-Tozzetti, Giovanni, Ital. ✚ & naturalist, * 11/9 1712; director of ✿ Garden at Florence; librarian to grand-dk. 39, † 7/1 83. ✓.

Targums, Jew. ✓, Chaldee versions or paraphrases of Old Test., made after return from Babylon, many of the exiles not knowing Hebrew. Ten in no., oldest believed to be that of Onkelos, confined to Pentateuch, completed at end of 3rd cent.; that of Jonathan ben Uzziel was compl. at end of 4th cent.

Tariff, list of duties payable on imptd. or exptd. goods. In 1842 Brit. T. contd. 1,042 articles; reduced by Peel 45 & 47, & his successors, until in 69 there were only 65.

Tarin, Pierre, Fr. ✚ & anat., * *ca.* 1700, † 61. ✓.

Tarlatan, thin gauze-like cotton stuff, used for ladies' dresses.

Tarleton, Richd., Eng. ☺, jester, & ✓, † 1589. "Seven Deadly Sins."

Tarn, S. departmt. of Fr.; 2,217 s.m., 360,000 inh.; ⚓T. Chf. ⊙, Albi.

Tarn-et-Garonne, S. deptmt. of Fr.; 1,436 s.m., 220,000 inh.; ⚓s T. & G., former of which falls into latter (near centre of department), 200 m. Chf. ⊙, Montauban.

Tarpeia, Rom. myth., dau. of Spurius Tarpeius, govr. of Roman citadel on Saturnian Hill, to which she admitted Sabines on being promised what they carried on left arms (bracelets); but they crushed her to death by throwing upon her their shields. From Tarpeian Rock, named after her, traitors were hurled.

Tarquin, 1] the Elder, 5th k. of Rome, * Tarquinii, Etruria; succ. Ancus Martius 615 B.C., assass. 578. 2] the Proud, 7th & last k.; succ. Servius Tullus 534 B.C., banished 510, deftd. at ⚔ Lk. Regillus 498. 3] His s. Sextus violated Lucretia & caused expulsion of his fam., † 495 Cumæ.

Tarragona, N.E. prov. of Spain; 2,450 s.m., 330,000 inh. Chf. ⊙, T., on Medit.; 23,000 inh.; Brit. ⚓ station prior to capture of Gibraltar in 1704.

Tarrantius, Lucius, Roman math. & astrol., & friend of Cicero, * *ca.* 100 B.C.

Tarsal Bones, anat., 7 sm. B.s. forming ankle or instep in man, viz., calcaneum, astragalus, cuboid, scaphoid, & 3 metatarsal bones.

Tarsus, anct. ⬭, chf. ⊙ of Cilicia, As. Minor, 12 m. from mouth of ⚓ Cydnus; birthplace of St. Paul. Now called Tirsus; 30,000 inh.

Tartaglia, Nicolo, Ital. math., * *ca.* 1558 Brescia, † 59. ⁄.

Tartagni, Alessandro, ⚕ at Padua, † 1477 Bologna.

Tartaric Acid, ⚗, A. found in juice of *grapes*, pine-apples, &c.; prepared from *argol* or *tartar* (impure acid tartrate of potassium deposited in wine-vats during fermentation), which is converted by chalk or sulphate of calcium into tartrate of calcium; this is then decomposed by sulphuric acid, the T. A. being crystallised from the solution. Used in calico-printing & for effervescing drinks. With metals it forms *tartrates*, series of salts, including cream of tartar, acid tartrate, or bitartrate of potassium.

Tartarotti, Girol., Ital. schol. & misc. ⁄, * 2/1 1706, † 16/5 61.

Tartarus, class. myth., deep, sunless abyss below earth, abode of evil spirits. Sometimes=Hades, lower world in general.

Tartary, name vaguely applied in anct. ⬭ to vast region of Central Asia, inhab. by Tartars (properly Tatars); by mod. ⬭s to Turkestan.

Tartini, Giuseppe, Ital. violinist, ♫ comp. & ⁄, * 12/4 1692 Pisano, † 6/12 1770. "Science of Harmony."

Taruffi, 1] Emilio, Ital. landscp. & ♛ ●, * 1632, † 94. 2] Giuseppe, poet. ⁄, * 1722, † 20/4 86.

Tascometer, ⊛, instrument invented by Steiner of Vienna for measuring strains on different pts. of a structure.

Tashkend, Russ. ⊙ in Turkestan; 80,000 inh.; centre of communication betw. Ind. & N. Asia.

Tasimeter, ⊛, instr. invntd. by Edison for measuring very minute variations of pressure, temperature, moisture, &c.

Tasker, Wm., Eng. class. transl. & ✝, † 1800.

Tasman, Abel Janssen, Dutch ⚓, * *ca.* 1600 Hoorn; discvd. Tasmania 24/11 42, New Zealand 31/11 42, New Guinea 43, † after 45.

Tasmania, formerly Van Diemen's Land, colony of Australasia, separated from Australia by Bass Strait, 120 m. wide; 170 m. N. to S., 160 m. W. to E.; 26,215 s.m., includg. many sm. islands, 140,000 inh.; *aborigines* extinct. ⚓s: Derwent, Huon, & Tamar. ⊙s: Hobart (cap.), Launceston, Georgetown. *Exports*: wool, grain, fruit & preserves, hides, tin, gold. Railways 303 m., telegraphs 2,853 m. Crown governor, Legislative Council of 16, House of Assemb. of 32 members, both elective. ♛: Discovered by

Tasman 1642, ptly. expld. by Cook, penal settlement on site of Hobart Town 1803, separd. fr. New South Wales 25, transportation ceased & name changed 53.

Tasmannia, ✱, gen. of shrubby plnts. of ord. *magnoliaceæ;* 3 specs., 2 in Austral., 1 in Tasmania (*T. aromatica*), bark of which contains a volatile oil & resin; fruit sometimes used as pepper, hence called Pepper-plant. Named. aft. Tasman.

Tasso, 1] Torquato, Ital. poet, * 11/3 1544 Sorrento; to Fr. 71, † 25/4 95 Rome. / "Jerusalem Delivered," &c. 2] His father, Bernardo, poet. /, * 11/11 1493 Bergamo, † 4/9 1569 Ostiglia. "L'Amadigi."

Tassoni, Alessandro, Ital. poet. /, * 28/9 1565 Modena, † 25/4 1635. "La Secchia Rapita."

Tasto, ♆, Ital. = touch; direction to play passage in unison.

Tate, 1] Nahum, poet. /, * 1652 Dublin; poet-laureate 92, versified Psalms (with N. Brady) 96, † 12/8 1715 Southwark. 2] Francis, Eng. ♃ & Ψ, * 1560, † 16/11 1616. / "Ψ, &c., of Cities, Boroughs, & Towns."

Tatian, 2nd century Christian apologist, * Syria, disciple of Justin Martyr; embraced Marcionite heresy & fnded. sect of Tatianists.

Tatischeff, Vassili N., Russ. ♛ / & lexicog., * 19/4 1686, † 15/7 1750.

Tatius, *v.* Achilles Tatius.

Tatler, /, serial established by Steele 12/4 1709, publd. at 1d., three times a week until 2/1 11; 271 nos.; of wh. Addison wrote 41, Addison & Steele together 34, Swift 13, John Hughes 6, Harrison 1, Steele most of the rest.

Tattie, screen of split bamboo placd. vertically in doors & windows in Ind. & drenched w. water from outside while dry hot wind is blowing in April, May, & June.

Tattoo, ✕, beat of drum at night to call soldiers to their qtrs.

Tatwine, † & /, archbp. of Canterbury 731–34.

Tau, herald., St. Andrew's Cross, similar to Cross potent; named fr. resemblance to Greek letter τ.

Taubert, W. K. G., ♆, * 23/3 1811 Berlin.

Taubmann, Fried., Germ. ♗ & poet. /, * 15/5 1565; prof. of poetry at Wittenberg, † 24/3 1613.

Tauchnitz, 1] Bernh. C., bar. v. Leipzig publshr., * 25/8 1816 Naumburg, † 16/4 84 Leipzig; cheap editions of Brit. /s; business estabd. by his uncle, 2] Karl Ch. T., * 29/11 1761, † 14/1 1836.

Tauler, Johann ("the Illuminated †"), Germ. mystic, * 1290 Strasburg; Dominican monk, interdicted, † 16/6 1361 Strasburg. /.

Taunton, ⊙ of Somerset, on ⅄ Tone; 17,000 inh. ♛: Dk. of Monmouth proclaimed king here 1685; "Bloody Assize" in August 1685.

Taunton, Hy. Labouchere, Ld., * 15/8 1798; M.P. for Taunton 1880–59, Presdt. of Bd. of Trade 46, 55, Col. Sec. 58, peer 59, † 13/7 69.

Taurellius, Lælius, Ital. ♃ & scient. /, * 1489, † 1576.

Taurine ♁, neutral crystalline substance obtnd. by boilg. purified bile w. hydrochloric acid, filtering, evaporatg. the acid filtrate, & treating residue with boiling alcohol.

Taurus, 1] ♉, 2nd zodiacal constellation (♉); sun enters it *ca.* 22/4; bnded. on E. by Gemini, W. Aries, N. Perseus & Auriga, S. Orion & Eridanus; inclds. Pleiades, Hyades, & Crab; 1 large star, Al-debaran. 2] Zool., lapsed genus of *bovidæ.* 3] ⛰ of Asia Minor, 11,712 ft.

Tausig, Karl, pianist, * 4/11 1841 near Warsaw, † 17/7 71 Leipzig.

Tauson (Tagesen), Johan ("Luther of Denm."), reformg. †, * 1494; bp. of Ripon 1542, † 9/11 61. /.

Tavannes, 1] Gaspard de S. de, Fr. marsh., * 1509 Dijon; took part in capt. of Calais 58, marsh. 70, † 19/6 73. 2] His son, Guillme., lieut.-govr. of Burgundy, * 1553, † 1633.

Taverner, Richd., reformg. lay preacher & † /, * 1505 Norfolk; a clerk of the Signet 37, imprisd. for heresy, † 14/7 75. /.

Tavernier, 1] Melchior, Flem. engraver, * 1544, † 1641. 2] His neph., Melchior, engravr., * 1594, † 1665. 3] Jean B., Fr. travllr. in East, * 1605; made Baron d'Aubonne by Louis XIV., † 89. ✓.

Tavistock, ⊙ of Devon, on ⚓ Tavy; 7,000 inh.; divsn. rets. 1 M.P.

Taxel, zool., American badger, *taxidea americana.*

Taxin, ☿, resinous substance extracted fr. leaves of yew-tree by alcohol & tartaric acid.

Taxis, 1] Grk. Ψs, division of troops similar to mod. battalion. 2] *v.* Thurn & Taxis.

Tay, ⚓ of Perthsh., Scot.; rises as Dochart in Argylesh., expands into Loch Tay (16 m. long), aft. passg. Perth widens into Firth of Tay; 120 m.

Tay Railway Bridge, across Firth of Tay at Dundee, opened 31/5 1878, blown down 28/12 79, re-constructed & opened 87.

Taylor, 1] Alex., Brit. genl., * 1826; directed ⊕s at siege of Delhi, lieut.-col. 58, col. 64, lieut.-genl. & K.C.B. 77, genl. 78, presdt. of Roy. ⊕ing College. 2] Bayard, Amer. misc. ✓ & diplom., * 11/1 1825 Pennsylvania; Sec. of Legatn. at St. Petersburg 62–3, Min. at Berlin 78, † there 19/12 78. "Views Afoot" 46, "Poems & Ballads" 54, transl. *Faust* 70–1, National Ode 76, &c. 3] Henry, poet. & critic. ✓, * 1800 Bishop Middleham; C.M.G. 69, † 28/3 86 Bournemouth. *Commenus* 27, *Philip v. Artevelde* 34, "Statesman" 36, "Notes from Books" 49, autobiography, &c. 4] Isaac, † ✓ & ⊕, * 1787 Lavenham, † 28/6 1865 Stamford Rivers. "Transmissn. of Anct. Bks.," "Nat. ♛ of Enthusiasm," &c. 5] Isaac, son of 4, philol. & †, * 2/5 1829 Stamford Rivers; canon & prebend. of York 85. ✓ "Greeks & Goths" 79, "Alphabet" 83, &c.
6] Jane, sist. of 4, ✓, * 1783, † 1824. "Hymns for Infant Minds" (with her sist. Ann, † 64). 7] P. Meadows, nov. ✓ & Ind. administr., * 1808 Liverpool; govr. of the Deccan 50, † 76. "Confessions of a Thug," &c. 8] Reynell Geo., Brit. genl., * 1822; service in Ind., genl. 80, † 86. 9] Tom, ⊙ ✓ & humorist, * 1817 Bishop Wearmouth; prof. of Eng. ✓ Univ. Coll. Lond. 45–7, editor of *Punch* 47–80, † 12/7 80. *Overland Route* 60, *Ticket-of-Leave Man* 73, *'Twixt Axe & Crown* & *Joan of Arc* 70, &c. 10] Zachary ("Old Rough-&-Ready"), Amer. statesm. & ✕, * 24/11 1784; won ✕ of Buena Vista, Presdt. of U.S. 1850, † 9/7 50. 11] Jeremy, †, * 15/8 1613 Cambridge; chaplain to Laud, then to Chas. I., m. a natural dau. of the king, imprisd. in Tower 58 for offence of his bookseller, bp. of Down & Connor 60, of Dromore 61, † 13/8 67 Lisburn. ✓ "Defence of Episcopacy" 42, "Dissuasive from Popery" & "Liberty of Prophesying" 47, "Holy Living & Dying" 50, "Ductor Dubitantium" 60, &c. 12] Brook, math., * 18/8 1685 Edmonton; sec. to Roy. Soc. 1714–18, † 29/12 31. ✓ on Perspective. 13] John ("Waterman-Poet"), * 1580 Gloucester, † 1656 London. 14] Alfr. Swaine, ⚷ & ☿, * 1806 Northfleet; prof. of ☿ at Guy's Hosp. 32, of ⚷ jurisprudence 45, † 27/5 80. ✓. 15] Hy., Eng. † ✓, * 1711, † 85. 16] Isidore S. J., baron, Belg. traveller & ✓, * 15/8 1789 Brussels; brought obelisk of Luxor from Egypt to Paris, knt. of Legion of Honour 1822, comdr. 37, † 6/9 79. 17] Chevalier John, Eng. oculist, † *ca.* 1767 Paris. 18] John, Unitar. † & Hebraist at Norwich & Warrington, * 1694, † 5/8 1761. 19] John, critic, philol., & †, * 1704; registrar of Camb. Univ., chanc. of Lincoln 44, canon of St. Paul's, † 66. ✓. 20] Robt., ♌ & ♙, * 1714; kntd. 83, † 27/9 88; jnt.-founder w. Dr. Randolph of T. & R. Institute, Oxford. 21] Rowland, Marian †, † by fire 8/2 1555 Aldham Common. 22] Silas, Ψ, * 1624, † 4/11 78. ✓ "♛ of Gavelkind." 23] Thos. ("the Illumi-

nated †"), * 1576; Hebrew lect. at Christ Coll. Camb., † 1632. **24]** Thos. ("the Platonist"), * 15/5 1758 London; transl. Plato, Aristotle, & Porphyry, † 1/11 1835. **25]** Wm. Cooke, Irish ✍ & misc. ✓, * 16/4 1800 Youghal, † 12/9 49. **26]** Robt., ⊙ ✓ *temp.* Elizabeth. *The Hogge hath lost his Pearl* 1614. **27]** Wm., critic. ✓ & transl., * 1765, † 1836. "German Poetry" 28–30, &c. **28]** Fredk., water colour ◉, * 30/4 1804 Herts.; presdt. of Soc. of ◉s in Water Colours 58.

Taylor's Institute, Fitzwilliam Museum at Oxf., for erection of wh. Sir Robt. T. made large bequests.

Tayra, zool., *galera barbara*, small carniv. mammal; trop. Amer.

Tchad, Tsad, lake in Soudan; 120 × 60–80 m., much larger in rainy season; studded w. islands, many populous; no visible outlet.

Tchadda, ⅄, *v.* Binue.

Tchernaieff, Mich. G., Russ. genl., * 24/10 1828; led expeditn. to Khokand 63, took Tashkend 65, comd. Servian forces against Turk. 76, proclaimed Prince Milan king, govr. of Tashkend 82, ed. *Moscow Gazette* 87.

Tchihatchef, Peter de, Russian travlr., naturalist, & ⚒, * 1812. ✓ "Asie Mineure" 53–56.

Tchitchagof, Paul V., Russian admiral, * 1767, † 1849.

Tchow Dynasty, 3rd imperial Chinese dyn., wh. prod. 34 kings, 1122–256 B.C.; named from seat of government.

Tchudes, Russ. name for Finnish races in N.W. Russ.; now more generally applied to group comprsg. Finns, Esthonians, Livonians, & Laplanders.

T-cloth, plain cotton cloth manufactured in Eng. for oriental markets & stamped with a T.

Te Deum, †, Latin hymn attribd. to SS. Ambrose & Augustine; begins *Te Deum laudamus*, Lat. = We praise Thee, O God.

Te igitur, †, Lat. = Thee, therefore; 1st two words of canon of Mass. Also applied to book containing part of Liturgy.

Tea, prepared leaves of the tea-plant, gathered 4 times during year. Black & green T.s are prepared fr. same plants. For *green* T.s the leaves are gently heated in drying-pans, to soften them, then rolled by hand on wooden table. For *black* T.s they are placed in heaps for fermentatn., tossed about & beaten by hand to make them soft, heated in iron pan, rolled into balls by hand, & slowly dried over charcoal fire. Aroma believed to be due to an alkaloid, theine; essential oil present in very small quantity. Green T. contains *ca.* 26 % of tannic acid; black *ca.* 15. ✍: used in China in early times, mentioned as common beverage there by Soliman, Arab merchant, in 9th cent.; 1st brought to Eng. by Dutch *ca.* 1610; during next 50 years price varied from £6 to £10 per lb., in 1666 60s.; duty of 5s. per lb. imposed 1689, after several reductions fell to 6d. in 1865; licence for sale of T. repealed 69.

Tea-plant, ✿, *thea sinensis* or *chinensis*, wild in Assam, possibly in China also; *T. viridis*, *T. bohea*, *T. assamica* are only vars. of *T. sinensis*; *T. assamica* is cultivd. in Assam, Darjeeling, Cachar, Chittagong, Nilgiri Hills, Ceylon, &c.

Tea-room Party, advanced Liberals who met in T.-room of Ho. of Commons 8/4 1867 & decided to support 2nd reading of Conserv. Reform Bill & to endeavour to modify it in Committee.

Teak, Teakwood, ✿, wood of *tectona grandis*, large forest tree, wild in Ind. & Burmah, cultivd. in Assam, Bengal, &c.; large egg-shaped leaves, wh. yield a red dye. Wood very durable; weighs *ca.* 40 lbs. per cub. ft.; easily worked. ✿, flowers & seeds diuretic, bark astringnt.

Teal, ornith., smallest gen. of ducks, *querquedula*; widely distrib. Common T., *Q. crecca*; summer T.

or garganey, *Q. circia;* green-winged T. of N. Amer., *Q. carolinensis;* blue-wingd. T. of N. Amer., *Q. discors.* Chinese T. or mandarin duck is of a different genus, *aix galericulata.*

Teasel, Teasle, Teazle, ✿, gen. *dipsacus;* 2 Brit. specs. (*D. sylvestris,* wild T.; & *D. pilosus,* small T.). Flower-heads of *D. fullonum* (var. of *D. sylvestris*) used for raising nap on cloth.

Teatori, Cristofero, Ital. ♛ ✓, * 1745 Seville; settled in Italy 1806, † 10. ♛ of Venetian Republics.

Téba, *v.* Eugenie.

Tebaldeo (Tibaldeo), Antonio, Ital. poet. ✓, * 4/11 1463, † 1537.

Technology, systematic knowledge of the industrial arts.

Tectibranchiata, zool., sectn. of marine gasteropod. molluscs, ord. of sea-slugs; anim. generally has shell in both larval & adult states; gills protectd. by shell or by mantle. Includes *bullidæ,* bubble-shells; *aplysiadeæ,* sea-hares, &c.

Tedeschi, Ital. = Germans.

Tedeschi, Nicolo (Panormitanus), Ital. ✝ & canonist, * 1386; archbp. of Palermo 1434, card. 40, † 15/7 45. ✓.

Teeth, anat., consist of dentine, enamel, & cement. *Dentine* forms chf. part of body of tooth; *enamel,* hardest part, genlly. coats crown of tooth & is almost wholly ⊕ in composition; *cement,* closely resembling bony tissue, surrounds fang & is traversed by blood-vessls. In man & most mammals T. appear successively in 2 sets: 1st, milk or deciduous T.; 2nd, permanent; classified as (1) *incisors,* in front of mouth, bounded on both sides by (2) *canines* or eye-T.; (3) *premolars;* (4) *molars* or grinders, the large blunt T. In man 32 T.; dental formula:

$$i.\frac{2-2}{2-2};\ c.\frac{1-1}{1-1};\ p.m.\frac{2-2}{2-2};\ m.\frac{3-3}{3-3}=32$$

Figs. above lines refer to T. in upper jaw; below, those in lower jaw.

Tegel, Eric G., Swed. ♛ ✓, † 1638. "♛ of Gustavus I.," &c.

Tegetthoff, Wilh. Baron v., Austr. adml., * 23/12 1827 Marburg; won ⚓ ⚔ Lissa 20/7 66; comdr.-in-chief 68, † 7/4 71 Vienna.

Tegnér, Esaias, Swed. poet & †, * 13/11 1782 Kyrkerud, Wermeland; prof. of Grk. at Lund 1812, bp. of Wexio 24, insane 40, † 2/11 46.

Teheran, Tehran, cap. ⊙ of Persia & of Irak-Adjemi prov., on plain 10 m. from foot of Elburz ▲; wall 4½ m. round; Shah's palaces outside; 120,000 inh.; carpets & linen goods.

Teignmouth, ⚓ ⊙ of Devon, on estuary of ⚓ Teign; *ca.* 8,000 inh.

Teignmouth, John Shore, Lord, Eng. statesm., * 1751 Devon; memb. of Supreme Counc. of Ind. 86, bart. 93, Govr.-Genl. 93–7, peer 97, † 1834. ✓ "Life of Sir W. Jones" 04, &c.

Teind, Scot. name for tithes.

Teinoscope, ⊕, optical instr. in wh. prisms are so combined as to correct chromatic aberration of light & increase or diminish linear dimensions of objects.

Teissier, Antoine, Fr. Protest. ♛ & misc. ✓, * 28/1 1632, † 7/9 1715.

Tekeli, 1] Emeric, count de, Hung. patriot, * 1658, † 1705. 2] Count Ladislas, Hung. polit., * 1811; amb. to France 48, † 61.

Telamones, ⚠, Grk. = bearers; male figures serving as columns to support entablature.

Telautograph, electrical apparatus, invt. by Elisha Gray 1887, by wh. writing is simult. reprod. at a distance from the writer.

Telegraphy, ⊕, transmission of signs to a distance; formerly effected by flags, beacons, &c.; first elect. instrmts. invtd. by Gauss & Weber 1833 & by Wheatstone 36. *Single-needle* instrument of Wheatstone & Cooke is an astatic galvanometer with vertical needles, outer needle moving in front of indicator; current being sent through the galvanometer, first in one direction, then in the other, needle moves

first to one side, then to the other—2 movements to right indicating A, 3 to left & 1 to right B, &c. *Double-needle* instrument, also invented by Wheatstone & Cooke. In *Breguet's Indicator*, largely used on Fr. rwys., the current moves needle over a dial engraved w. letters of alphabet. *Wheatstone's A B C Instrument* is similar; beside & below dial are keys corresponding with letters of alph., so that it can be used as transmitter as well as recorder. The system invtd. by *Morse* is most widely used in Eng. & Amer. in two forms. In record inst there is an electro-magnet, armature of which works on hinge & carries point or style wh. presses agst. long paper riband kept in continuous motion by clockwork; on other side of paper is small printing roller, also in motion. When current passes round electro-magnet, armature is attracted, style raised, & paper pressed agst. printing cylinder, wh. marks it either with dot or dash; letters are indicated by combinatn. of dots & dashes—4 signs, variously arranged, being enough to represent whole alphabet. In the sounding form of this instrument alphabet is indicated by the sound alone of the striking armature. For rapid telegraphing, message is first punched on slip of paper by instr. invtd. by Wheatstone, strip then being put into an automatic transmitter; message is automat. printed at other end; in this way a rate of 60–100 words per minute is reached. The *Morse Alphabet* is now general thro' all systems of teleg., in var. forms. In the recorder it is dots & dashes; in the Morse sounder short & long sounds; in the Wheatstone needle strokes to the right & to the left, also in the Siphon recorder; & in perforated messages holes to one side or the other of the centre of the strip; but in all these or other systems a similar combination of the two signals denotes the same letter. Batteries used for generating electric current are chiefly modified form of *Daniell's*. Electric Teleg. Co. formed 1846; business taken over by Post Office 69. Since then rapid improvemt.; now 6 messages can be sent in one direction at once on a single wire, & messages can go round the globe in 20 mins. *Cables* for sub-♁ T. generally consist of 7-fold strand of copper wire covered w. gutta-percha surround. by jute, whole protected by iron wire covered w. hemp. First cable laid 1850 betw. Dover & Cape Grisnez; 1st Atlantic cable between Valentia (Ireland) & Newfoundland 58; a 2nd 66. There are now 7 betw. Eng. & N. Amer. *v.* Plate.

Teleiconograph, ⊕, combination of telescope & camera lucida, invtd. by M. Revoil; image, transmitted by object-glass of telescope, passes through prism connected w. eye-piece.

Telemachus, Grk. myth., s. of Ulysses & Penelope, who (after fall of Troy) went in search of his fathr.

Teleman, Georg P., Germ. ♪. * 1681; composer to Lyric Theatre at Hamburg, † 1767. Operas, overtures, &c.

Teleology, ♁, doctrine of final causes; argument from design in proof of existence of God.

Teleostei, ichth., sub-class wh. includes most existing specs.; corresponds broadly w. Osseous Fishes of Cuvier, & Ctenoidei & Cycloidei of Agassiz.

Telephone, instr. for transmit. sound to a distance by electricity; invtd. by Reiss 1852; articulating T. invtd. by Graham Bell 76: vibrations by sound in thin sheet of iron cause currents in wire coiled round a magnet, which reproduce articulate vibrs. in similar instr. (*v.* Plate). In Edison's carbon T. vibrations are made to act on a contact of carbon placed in circuit of a battery.

Telephorus, entom., genus of beetles represented in Eng. by 24

specs called Soldiers & Sailors, mostly frequent flowers, but are carniv, female sometimes devours male

Telescope consists (1) of object glass or concave mirror to render light rays convergent & form image of object, & (2) magnifying eye piece In 1608 Lippersberg, Dutch optician, offered to States Genl 3 instruments "w wh one can see to a distance, Galileo divined how result was effected, & made T w double concave eye piece Kepler 1st discovd advantage of having 2 convex lenses, & Scheiner carried out suggestn 1650 Huyghens in same century made T of 123 ft focal length Unwieldy size of such instruments led to discovery of *reflecting T s*, of which 4 types arose Gregorian 1663, Newtonian 69, Cassegrainian 72, Herschelian 1779 (Herschel s was 39 ft long w mirror 4 ft 10 in in diam) One at Paris Observatory has mirror 4 ft in diam Lord Rosse s T has reflector 6 ft in diam, & can magnify obj 407 times without its being less bright than it appears to naked eye Of the *refracting T* made by Grubb of Dublin for Austrian Govt object glass is 27 in in diam, tube 33½ feet long

Telescope Fly, entom, genus *diopsis*, chfly trop, eyes carried on long stalks

Telesio, Ant, Ital Latin poet ♃, * 1482 Naples, prof at Milan, Rome, & Venice † 1533 2] His neph, Bernardino, ♃, * 1509, † 88

Telespectroscope, combination of telescope & spectroscope

Telestereoscope, instrument invtd by Helmholtz 1857 for producing appearance of relief in objects of a landscape at moderate distances

Telford, Thos, Scot ⊕, * 9/8 1757 Westerkirk, Eskdale, carried out Ellesmere Canal 95–1805, St Katherine s Docks 28, Menai Susp Bridge 19–26, &c, † 2/9 34 Westminster, bd Westminster Abbey

Tell, William, Swiss patriot, * ca end of 13th cent Burglen, near Altdorf, resisted Austrians 1307 & later, † ca 50 Apple story, &c, now regarded as legendary

Tellez, 1] Gabriel (Tirso de Molina), Span ☉ ♃ & † * 1585 Madrid, † 1648 2] Balthazar, Portuguese Jesuit ♛ ♃, * 1595, † 20/4 1675 "♛ of Jesuits, &c

Tellier, Mich Fr Jesuit †, confessor to Louis XIV, * 1643, † 1719

Tellurion, Tellurium, ⊕ apparatus for illustrating to eye real & apparent movements of earth or constellations through zodiac, &c

Tellurium, 1] ♁, rare non metall elemt, w many characters of metal, belongs to sulphur grp, found in some ⊕s associated with gold, silver & bismuth, colour & lustre of silver, brittle, bad conductor of heat & electricity, sp gr 6 26, forms both oxides & acids 2] ⊕, occurs in 6 sided prisms, hardness 2–2 5 sp gr 6 1–6 3, composition T & gold, sometimes with iron

Telpher-line, line on wh transport is automatically effected by electricity 1st L opened at Glynde, Sussex, 17/10 1885 Speed 4 to 5 m an hour

Temanza, Tom, Ital ▲ & biog ♃ * 9/3 1705 Venice, † 14/6 1789

Tempelhof, Georg Fr, Prussian artillery offr & ⚔ ♃, * 1737, † 1807

Temperance Movement, in its modern phase as directed against alcoholic beverages *per se* began in Amer ca 1812, Amer T Union formed 36 Total Abstinence Soc founded at Skibbereen, Ireland, 18, in Scotland 29, in Eng (Bradford) 30 Father Mathew s crusade in Ireland began 38, & by end of 39 he had made 1,800,000 converts National T Socy formed 42, Scot T League 44, United Kingd Alliance 53 Band of Hope 55, Good Templars 68 Church of England T Socy 73

Temperature, of man ca 99 9° Fahr, of wolf, ca 95°, of swallow, 111° When plants flower, their

T. rises several degs. above that of surrounding atmosphere. *v.* Thermometer.

Tempesta, Antonio, Ital. ⊙, * 1555, † 1630.

Templars, ✕ † order founded 1118 by Hugues de Payens & Geoffroi de St. Omer to maintain free passage for pilgrims to Holy Land. Baldwin II. gave them a palace on site of Solomon's Temple. When Jerusalem was taken by the Mohamms. in 1187 the T.s retired to Antioch, then to Acre, next to Pilgrims' Castle (near Cæsarea), finally to Limisso (now Limasol), Cyprus. Order abolished on charges of immorality & impiety by Clement V. 3/4 1312, Molay (Grand Master) & Grey (Gr. Prior of Normandy) being burnt; & wealth (amountg. to sevl. millions) seized by Philip the Fair of France.

Temple, Jew. Ψ, built by Solomon on Mount Moriah, chiefly by Tyrian artificers; modelld. on Tabernacle; destroyed during siege by Nebuchadnezzar. Second T. begun und. Zerubbabel on return fr. exile 534 B.C., completed 516 und. Darius Hystaspes; this was superseded by Herod's T., begun 21 or 20 B.C., burnt during siege by the Romans 70 A.D.

Temple, 1] Fredk., †, * 30/11 1821; double 1st. cl. Oxfd. 42, headmaster of Rugby 58, contributed to "Essays & Reviews" 60, bishop of Exeter 69, of Lond. 85. ✓. 2] Richd., Ind. administrator, * 1828; Lieut.-Govr. of Bengal 74–7, bart. 76, govr. of Bombay 77–80, M.P. & vice-chairman of Lond. School Brd. 85. ✓ "Oriental Experiences" 83, &c. 3] Sir Wm., statesman & ✍, * 1628 London; concluded Triple Alliance 68, negotiated marr. betw. Princess Mary & William of Orange, amb. to States-Genl. 68–71, 74–78, † 27/1 99 Moor Park, Surry. ✓ "Netherlands" 73, "Miscellanea" 80–90, 1700; Memoirs, Letters, &c. 4] Sir John, ⚒ & ✍ ✓; Mast. of Rolls in Ireland under Chas. II., † 1677. "✍ of Irish Rebellion of 1641."

Temple, Neville, & **Trevor,** Edwd., pseuds. und. wh. Hon. J. C. H. Fane & Hon. E. R. Bulwer published "Tannhauser" 1861.

Templeman, Peter, ✍ & scient. ✓, * 1711; librarn. of Brit. Museum 53, † 23/9 69.

Templeton, Lawrence, pseud. und. wh. Scott publd. "Ivanhoe."

Tempo, 𝄴, Ital. = time; as *T. comodo* = moderate time; *T. ordinario* = ordinary time; *T. primo* = 1st or original time; *T. di capella* = time of Church 𝄴.

Temporal Power, P. exercised by Pope as sovereign of Papal States (*q.v.*).

Ten Hours' Act, ⚒, 10 & 11 Vict., c. 29, limitg. hours of labour for women & children in factories.

Ten-pounders, voters in Parly. electns. und. Reform Act of 1832 who derived right fr. ownership or occupation of property of annual rental of £10.

Ten Tribes, kingdom of Israel as distinguished fr. that of Judah. Carried into captiv. by Shalmaneser, king of Assyria, & lost to ✍.

Tenant-right, custom ensurg. to tenant of land permanence of tenure without increase of rent, unless sanctioned by general sense of community; or entitling him to purchase-money in case of ejection, or both. Legally recognised by Irish Land Act of 1870.

Tenasserim, division of Lowr. Burmah, consisting of 6 districts: Amherst, Tavoy, Mergui, Shevegyeng, Toungngu, & Salwin Hill Tracts; 46,780 s.m., 600,000 inh.; ⚓ T. Chf. ⊙, Amherst. Taken 1826; at first called T. Provinces.

Tenby, Denbigh-y-Pisgod, watering-place in Pembrokeshire, on W. side of Carmarthen Bay; 5,000 inh.

Tench, ichth., genus *tinca*, of carp fam.; only 1 specs., *tinca tinca*. Breed in May & June, & deposit spawn among aquatic plants; ova small, 297,000 in single fish.

Tencin, 1] Pierre Guérin de, Fr. statesm. & Jesuit ✝, * 22/8 1680; appointed archbp. of Embrun thro' influence of 2 1724, card. 39, archbp. of Lyons 40, † 2/3 58. 2] His sist., Claudine A. G., marquise de, * 1681; mistress of regent-duke of Orleans & others, set up literary *Salon*, &c., † 4/12 1749.

Tendon, *v.* Achillis Tendo.

Tendrac, zool., small insectiv. mammal, forming genus *ericulus*; Madagascar.

Tenebræ, ✝, Lat. = darkness; office *of* matins & lauds *for* Thursday, Frid., & Saturd. in Holy Week, sung on Wednesd., Thurs., & Frid. respectively.

Tenebrosi, ●, school founded by Caravaggio, & marked by bold chiaroscuro; called also Caravaggeschi.

Tenedos, small Turk. island in Ægean Sea, opposite Besika Bay, 17 m. fr. entrance to Dardanelles; 10 m. in circumf.; *ca.* 7,000 inh. Only ⊙, T., on E. coast.

Tenendum, ⚖, clause of a deed creating & limiting tenure of land.

Tenerani, Pietro, Ital. ⚲, * 1800; prof. in Acad. of St. Luke at Rome, † 14/12 69.

Teneriffe, *v.* Canary Islands.

Teniers, 1] David ("the Elder"), Flem. ●, * 1582 Antwerp; pupil of Rubens & Elsheimer, † 1649 Antwerp. 2] His son, Dav. ("the Younger"), ●, * 5/12 1610 Antwerp, † 11/2 90 Brussels; master of low genre.

Tenison, Thos., ✝, * 29/9 1636 Cottenham; bp. of Lincoln 91, archbp. *of* Canterbury 94, † 14/12 1715. ✓.

Tennant, 1] Wm., poet. ✓ & orientalist, * 1785 Anstruther; oriental prof. *at St. Andrew's 1835*, † 46. "*Anster Fair*" 12, Syrian & Chaldee grammars 40, &c. 2] Jas., ⚒ & ⚗, * ca. 1805; prof. at King's *College*, London, † 23/2 81. 3] Smithson, ⚗, * 1761; professor at Camb., † 1815.

Tennemann, W. G., Germ. ✍, * 7/12 1761 Brembrach; prof. at Jena 98, at Marburg 1804, † 30/9 19. ✓, & translator of Locke & Hume.

Tennent, Jas. E., polit. & misc. ✓, * 1804 Belfast; Sec. to Poor Law Board 52, to Board of Trade 52–57, bart. 57, † 6/3 69. "Ceylon" 59, &c.

Tennessee, a central State of U.S.A.; 42,050 s.m., 1,600,000 inh.; ✓, ⊕s, timber. Cap. ⊙, Nashville. Named fr. ⚓ T., trib. of Ohio. ♛: settled *ca.* 1760, admitted to Union 96, seceded 1861, re-admitted 66.

Tenniel, John, artist, * 1820 London; joined *Punch* staff 51.

Tennis, game of ball played in a court by 2 or 4 persons. Court is divided by net ("line") *ca.* 3 feet high, & ball is driven agnst. wall by striking it w. a sm. bat ("racket"), causing it to rebound beyond line; player who 1st lets it fall to ground losing stroke. Introd. into Eng. 13th cent.; ceased to be popular *temp.* Wm. III. *Lawn-tennis*, modified form of T., introduced 1873.

Tennyson, Alf., baron, poet. ✓, * 1809 Somerby, Lincolnsh.; educ. Trinity Coll. Camb., Chancellor's medal *for* prize poem, "Timbuctoo," 29, poet-laur. 50, D.C.L. Oxford 55, peer 83. "Poems by 2 Brothers" (w. his bro. Chas., *v.* Turner 6) 27, "Poems, chfly. Lyrical" 30, "Princess" 47, "In Memoriam" 50, "Maud" &c. 55, "Idylls of the King" 59, &c.; "Enoch Arden" 64, *Queen Mary* 75, *Harold* 77, *Falcon* 79, *Cup* 81, *Promise of May* 82, *Becket* 84, "Tiresias & Other Poems," "Locksley Hall—60 Years After" 86, &c.

Tenon, Jacques R., Fr. ✍ & ⚕ ✓, * 21/2 1724, † 16/1 1816.

Tenor, 𝄡, 1] part sung by high male voices, ranging from c, 2nd space in bass clef, to A, 2nd space in treble clef. 2] Viola, large violin.

Tenorino (Ital.), 𝄡, tenor singer with thin clear voice.

Tentacles, zool., delicate organs of touch or prehension in polyzoa, cephalopods, & other lower animals.

Regiment, Brit. ⚔, a numb. of companies under comd. of a field-offr.; fr. 2 to 4 battalns. Abroad a R. genlly. consists of 3 battalns., each under a lieut.-col., the whole under a colonel.

Regiomontanus, name asumd. by Muller 6, from his native place, Konigsberg.

Registration of Births, Marriages, & Deaths, ⚖, now conducted under Act passed 17/8 1836, amended 37; several previous abortive attempts, beginning 1588.

Regium Donum, Brit. ♛, Lat. = royal gift; annual grant of pub. money to Presbyters., Independs., & Bapts. of Ireland, begun 1672, discontinued 1869.

Regius Professors, P.s at Oxf. & Camb. whose chairs were fnded. by Henry VIII.; in Scot., those whose chairs were founded by the Crown.

Regnard, Jean F., Fr. ✆ & poet. & satir. ✓, * 1655, † 5/9 1709 Dourdan. *Le Joueur*, &c.

Regnaud de St. Jean d'Angely, Mich. L., Fr. ⚖ & schol., * 1762; presdt. of Fr. Acad., took part in Revol. as a moderate, Councillr. of State under Napol. I., exiled 1815, † 1819.

Regnault, 1] Jean B., baron, Fr. ♛ ☻, * 19/10 1754 Paris, † there 12/11 1829. 2] Henri V., Fr. ⚗, * 21/7 1810; prof. in College de Fr. 41, † 20/1 78. 3] Henri, Fr. ☻, * 30/10 1843 Paris, † 19/1 71 in ⚔ Buzenval.

Regnier, Mathurin, Fr. satirist, * 21/12 1573 Chartres, † 22/10 1613 Rouen.

Regnier-Desmarets, Franç. S., Fr. poet. ✓, grammar., & ✝, * 1632; prior of Grammont, † 1713.

Regression, ☽, backward motion of moon's nodes; averages 19° 19′ 42·316″ a yr.; node makes a complete retrograde revolution in 6,793·39103 solar days, or nearly 18·6 years.

Regular Clergy, R. Cath. ✝, monks or friars, as opposed to Secular C.

Regulus, Marc. Atilius, Rom. ⚔; consul 267 B.C., again 256, taken prisoner by Carthaginians, sent to Rome w. terms of peace, which he dissuaded the Senate fr. acceptg., tortured to death on his return.

Regulus, *v.* Golden-crested Wren.

Rehoboam, Hebr. king, reigned 975–58 B.C.; during his reign Israel separated from Judah.

Reicha, Anton J., Germ. ♛ & ♛ ✓, * 1770 Prague; prof. at Paris, † 1836. Operas, &c.

Reichardt, Johann F., ♛ comp. & ✓, * 25/11 1752 Konigsberg, † 27/10 1814.

Reichel, Charles P., ✝, * near Leeds; dean of Clonmacnois 1882. ✓ "Origin of Christianity," &c.

Reichenbach, 1] Karl, bar. v., Germ. ⚗ & naturalist, professed discoverer of Od (*q.v.*), * 12/2 1788 Stuttgart, † 1/9 1869 Leipzic. ✓. 2] Gottfried, ☙ & zool., * 8/1 1793 Leipzic; prof. at Dresden, † 17/3 1879.

Reicharath, impl. Parliament of Austrian Empire.

Reichstadt, dk. of, *v.* Napoleon 2.

Reichstag, impl. Parliament of German Empire.

Reid, 1] Thos., Scot. ☙, * 26/4 1710 Strachan; prof. of moral ☙ King's Coll. Aberdeen 52–63, in Glasgow Univ. 63–81, † 7/6 96. ✓ "Human Mind on Principles of Com. Sense" 64, "Intellect. Powrs. of Man" 85, "Active Powers of Man" 88. Life by Dugald Stewart. 2] Mayne, novel ✓ * 1819 N. of Ireland; capt. in U.S army 45, settled in Eng., † 22/10 83. "Scalp Hunters" 47, "Headless Horseman" 65, &c. 3] John, anat. ✓, * 1809, † 49. 4] Sir Wm., Brit. genl. & ✓, * 1791; govr. of Bermuda, Barbadoes, & Malta, † 1858. "Law of Storms." 5] Thos. Wemyss, misc. ✓, * 1842 Newcastle-on-Tyne; edtr. *Leeds Mercury* 70–86. "Char-

lotte Brontë" 77, "Gladys Fane" 83, &c.

Reign of Terror, Fr. Revolutn., the period betw. fall of Girondists & Robespierre's overthrow, 31/5 1793 to 27/7 94.

Reigny, Louis A. B. ("Cousin Jacques"), Fr. burlesq. & polit. ✓, * 1757 Laon, † 1810 Charenton.

Reille, Honore C. M. J., comte, Fr. genl. under Napoleon I. & L. Philippe, * 1775, † 1860.

Reimarus, Hermann S., ♙ & philol., * 22/12 1694 Hamburg; prof. there, † 29/2 1768. ✓.

Reindeer, zool., *rangifer tarandus*; Arctic regions.

Reindeer-moss, ✿, *cenomyce rangiferina*, winter food of reindeer.

Reineccius, Reiner, Germ. schol. & Prot. †, * Steinheim; prof. of belles-lettres at Frankfort & Helmstadt, † 1595 Helmstadt.

Reinecke, Karl, German ♥, * 1824 Altona.

Reinesius, Thos., Germ. ☤ & Ψ ✓, * 1587, † 1667.

Reinhard, Franz v., Germ. ♙ & †, * 1753; prof. at Wittenberg & 1st court preacher at Dresden, † 1812. ✓.

Reinhart, Joh. C., Germ. landscape ☙ & etcher, * 24/1 1761 Hof, † 8/6 1847 Rome.

Reinhold, Karl L., Germ. ♙, * 26/10 1758 Vienna; prof. at Jena, then at Kiel, † 10/4 1823.

Reinick, Rob., Germ. poet & ☙, * 22/2 1805 Dantzic, † 7/2 52 Dresden.

Reinkens, J. H., Germ. R. Cath. †, * 1/3 1821 Burtscheid; signed protest agnst. Papal Infall. 70, excommunicated 72, consecrtd. bp. of "Old Caths." 73. ✓.

Reinsch's Test, ⚗, a test for arsenic, by means of clean copper foil, wh., placed in the suspected liquid, becomes coated with steel-grey film if arsenic be present.

Reiske, Johann J., German orientalist, * 1716 Lorbig, Saxony; prof. at Leipzig, † 74. ✓.

Reisner-work, inlaid cabinet-work of woods of contrasted colour; named after its inventor, a Germ. workman *temp.* Louis XIV.

Reissiger, Karl G., Germ. ♪, * 1798; professor at Berlin, † 1859. Operas, &c.

Reithrodon, zool., genus of *murinæ* resembling rabbits; 3 specs.; S. America.

Reitz, Fried. W., Germ. philol., * 1733; Greek professor at Leipzig, † 90.

Relapsing Fever, ✚, epidem. contag. F. due to defective nourishment & insanitary conditns.; common in Ireland; quinine & the ⊕ acids.

Relief, ☙, *v.* Alto-Relievo, Mezzo-Relievo, Basso-Relievo.

Relief Church, Scot. † ♛, secession fr. the Estab. Ch. in 1752; joined Secession Ch. (*v.* Secessionists) in foundg. United Presby. Ch. 13/5 1847.

Religions, the Chief: Christian, *ca.* 420,000,000 adherents; Buddhist, *ca.* same; Mohammedan, *ca.* 200,000,000; Hindu, *ca.* 180,000,000.

Reliquary, casket in wh. relics are kept.

Remanent Magnetism, the M. retained by a bar of iron after subjection to a magnetic current.

Remanet, ⚖, suit wh. stands over to another sitting.

Rembrandt van Rhyn (Paul Gerretz), ☙ & etcher, * 15/7 1606 near Leyden; to Amsterdam *ca.* 30, † there 8/10 69.

Remembrancer, offr. of Court of Exchequer who records proceedings, makes out processes, &c. Also an officer of some corporations.

Remigius, or Remi, † apostle of the Franks & archbp. of Rheims, † 536.

Remijia, ✿, gen. of *cinchonidæ*; bark of *R. ferruginea* & *R. velloziii* used in ✚ as substitute for cinchona.

Remittent Fever, ✚, severe non-contag. malarial F. in marshy

distrs., characterised by remission of symptoms at intervals of from 6 to 12 hours.

Remonstrants, †, Dutch Protestants who maintained views of Arminius, & presntd. to States of Holland in 1618 a remonstrance containing objections to Calvinism.

Remora, ichth., sucking-fish; pop. name for gen. *echeneis*, esp. *E. remora*, *ca.* 8 in. long; Medit.; flat oval sucking-apparatus on top of head.

Remus, *v.* Romulus.

Rémusat, 1] Claire E. de V., comtesse de, attendant on Empress Josephine & ✓ of "Memoires" (pubd. 1879), * 1780, † 1824. 2] Her s., Franç. C., comte de, misc. ✓ & statesm., * 14/3 1797 Paris; Min. of Int. 1840, For. Min. 71–8, † 6/6 75 Paris. 3] Jean P. A., orientalist, * 5/9 1788 Paris; Chinese prof. College de Fr. 1814, † 3/6 32. ✓ "Grammaire Chinoise" 22, &c.

Renaissance, the revival of letters & art in 15th cent. R. ⚠, the style which succeeded Gothic.

Renal Abscess, ✗, abscess of kidney.

Renan, Jos. Ernest, Fr. orientalist, † & misc. ✓, * 27/2 1823 Tréguier; Hebr. prof. in Institute of Fr. 61, memb. of Fr. Acad. 78, director 81, Hibbert lecturer 80, vice-rector of Collége de Fr. 83. "Vie de Jésus" 63, "Les Apôtres" 66, "St. Paul" 67, "L'Eglise Chrétienne" 79, *L'Abesse de Jouarre* (✆) 86, &c.

Renaudot, Euseb., Fr. orientalist & Jesuit †, * 1646, † 1720.

Rend Rock, American name for kind of dynamite used in blasting.

René of Anjou, k. of Naples & Sicily, s. of Louis II., * 16/1 1409 Angers; dk. of Anjou, count of Provence, & fath. of Marg. of Anjou, † 10/7 80 Aix.

Renfrew, Scot. co., S. of Firth of Clyde; 254 s.m., 225,000 inh.; rets. 2 M.P.s (E. & W. divns.). Chf. ⊙, R., on ⚓ Clyde; 5,000 inh.

Reni, Guido, Ital. ●, * 4/11 1575 Bologna, † there 18/8 1642

Rennel, Jas., Brit. ✕ in Ind., ✪ & misc. ✓, * 1742, † 1830. "✪ of Herodotus," &c.

Rennes, chf. ⊙ of Ille-et-Vilaine deptmt., Fr.; 62,000 inh.; railway centre.

Rennet, ⚗, infusion of dried stomach of calf, used for coagulatg. milk.

Rennie, 1] John, ⚙, * 1771 East Lothian; built Waterloo, Southwark, & Lond. bridges, &c., † 1821. 2] His s., John, ⚙, * 1794; knt. 31, † 3/9 74. 3] Geo., bro. of 2, mechanical ⚙, * 1791, † 1866. ✓.

Renouf, P. le Page, Eng. orientalist, * 1824 Guernsey; prof. anct. ♛ & Eastern langs. Irish Catholic Univ. 55, Hibbert lect. 79, Keeper of Egypt. Ψs Brit. Museum 85.

Rent, ✓, defined by Adam Smith as price paid for use of land; by Ricardo & most modern economists as the equivalent of difference in productive value between the land in respect of wh. it is paid, & the worst soil which can be cultivated.

Rentes, Fr., Austrn., Ital., & some other govt. stocks.

Repassant, herald., 2 animals going contrary ways.

Repeal, ♛, movement for R. of legislat. union betwn. Gt. Brit. & Ireland; began in Ireland 1810; carried on by O'Connell; began to subside *ca.* 44; re-apprd. in modified form as Home Rule 70.

Repetti, Eman., Ital. ⚒ & Ψ, * 1776, † 1852. ✓.

Replevin, ⚖, action to determine whether goods taken in distress have been legally seized.

Repoussé, ornamental metal work formed in relief by striking the metal fr. behind w. a punch or hammer; most celebrated R. work that of Benvenuto Cellini.

Reptiles (*reptilia*), zool., class of vertebrates wh. inclds. tortoises, crocodiles, snakes, lizards, &c.; closely related to birds, & classified with them by Huxley under term

sauropsida; skull articulates with spinal column by a single condyle; lower jaw artics. w. skull by the quadrate bone, each half of lower jaw consisting of several pieces; no water-breathing respiratory organs ever developed; heart of 2 auricles & a ventricle, latter being imperfectly divided into 2 pts., so that, arterial & venous blood mixg., blood is only partially aerated, & therefore cold; cavity of chest not shut off from abdomen by complete diaphragm; lungs less cellular than in birds & mammals, but often large; in snakes, usually only one active lung; often provid. w. a hardened skin of horny plates; ribs always, teeth generally, present (latter not in distinct sockets, save in crocodiles); young from eggs, sometimes hatched within body.

Republic, polit. constitutn. in wh. power is vestd. either in certn. privilgd. persons or in whole community. R.s of Venice & Genoa were exclus. oligarchies; those of U.S.A. & Switz. are federal R.s.

Republican Party, one of the two grt. polit. P.s in U.S.A.; favrs. strong central govt., acting directly on the people, & not thro' the States. Opposed to Democratic P.

Reredos, † ▲, ornamntd. screen or wall behind altar.

Reresby, Sir John, ✓ of "Memoirs" (published 1734), † 1689.

Reschid, Mustapha Pasha, reforming Turk. statesm., * 18/2 1802 Constantinople; Grand Vizier 39–41, 53, † 7/1 58 Constantinople.

Resedaceæ, ✱, weldworts; ord. of plants generally herbaceous, *ca.* 20 specs.; Eur., W. Asia, & Afr.; 2 Brit. specs.: *reseda luteola,* dyer's weed, or D.'s rocket; & *R. lutea,* base-dyer's rocket, or wild mignonette. *R. alba,* or *fruticulosa,* has been naturalised; *R. odorata* is mignonette.

Reserved Cases, R. Cath. †, sins wh. can only be absolved by an eccles. supr., as the bp. of a diocese or chf. of a † ord., or the Pope.

Reserved List, Roy. ⚓, list of half-pay offcrs. liable to be called upon for active service.

Reserve Forces, in Eng., composed of ⚔ men who have not served full period of 12 years w. the colrs., & of the Militia Reserve; *v.* Militia. ⚓: the Coast-guard, Royal Naval Reserve, & retired officers.

Residuary Legatee, ⅌, L. to whom is bequeathed all that is left of an estate after deductg. debts & specific legacies.

Resins, ⅌, compds. of vegetable origin, used in the arts, &c.; some, exudations fr. bark of trees; others found as fossils or semi-fossils; others extracted from plants by alcohol; insolub. in water; solub. in alcohol, ether, & liq. hydro-carbns.

Resolution, 1] ♩, relieving dissonance by succeeding consonance, genlly. by descending 1 deg. below dissonant note. 2] ⊕, dividing a single force or motion into 2 or more others which, acting in diffnt. directions, produce same effect as given motion or force.

Resonator, ⊕, instrumt. invtd. by Helmholtz for analysing compound sounds.

Respiration, physiol., process of taking oxygen into lungs by inspiration, & expelling carbon. acid, watr. vapr., & other hurtful matters, by expiration. In lower anims., R. takes place all over surface of body; in higher, it is localised in special organs, termed *lungs* in mammals, birds, reptiles, & most amphibia; *branchiæ* or *gills* in othr. amphibia, all fishes, & invertebrate aquatic animals, wh. can only breathe air dissolved in water; *tracheæ* in insects, *i.e.,* small branching tubes, communicating w. exterior of body by *stigmata.* In man, lungs are 2 large conical spongy organs enveloping heart, concave internally, convex externally; right lung (of 3 lobes) longer than left (only 2); lobes divd. into lobules, close to one another, yet quite distinct, each being the entire lung in miniature.

An adult at rest breathes *ca.* 18 times per min. Sim. process in ☘, plants taking carbon dioxide from atmosph., decomposing it, emittg. oxyg. & keepg. carb.; at night oxgy. is absorb., & carb. dioxide given off.

Respondentia, ⚓ ⚖, contract differg. from bottomry (*q.v.*) in that cargo as well as vessel is pledged.

Rest Harrow, ☘, gen. *ononis* of herbs or small shrubs, w. pea-like red or yellow flowers; Europe, W. Asia, N. Afr. *O. arvensis*, Brit., is wild liquorice.

Restiaceæ, ord. of herbaceous plants or under-shrubs, allied to sedges; 23 gen., 171 specs.; S.Amer., Cape, Australasia.

Restorationists, †, those who hold that even those who die impenitent will ultimately be saved, after more or less punishment.

Restout, Jean, Fr. ●, * 1692 Rouen; chanc. of Fr. Acad., † 1768.

Resultant, ⊕, single force wh. represents combined effect of 2 or more component forces. When 2 forces act on a particle in same direction, their R. = their sum, & acts in same direction; when they act in opposite directions, their R. = their difference, & acts in direction of the greater force.

Rethel, Alf., Germ. fresco ●, * 1816, † 59.

Reticulated Micrometer, ⊕, instrument invtd. by Malvasia for measuring small celestial distances; eye-piece of low power, with equidistant wires stretched across at right angles to each other.

Reticulum, anat., delicate network of tissue supporting nervous substance in brain & spinal cord.

Retina, *v.* Eye.

Retort, ⚗ apparatus for distilling by heat.

Retorted, heraldry, serpents wreathed into a knot.

Retriever, zool., cross between Newfoundland dog & setter (or water spaniel), used in "retrieving" (recovering) game which has been shot. Now distinct variety.

Retrochoir, † ⚠, chapels & othr. parts behind & about high altar; *e.g.*, Lady Chapel when so placed.

Retz, Jean F. P. de Gondi, card., Fr. †, * 1614 Montmirail; oppont. of Mazarin, † 24/8 79 St. Denis.

Retzsch, Fried. A. Moritz, Germ. ● & etcher, * 9/12 1779 Dresden, † 11/7 1857. Illusts. to "Faust."

Reuchlin, Johann (Capnio), Germ. Hebr. schol., * 28/12 1455 Pforzheim; prof. at Tübingen 81, at Ingoldstadt 1519, † 30/6 22 Liebenzell. ✓.

Réunion, or Île de la R., one of Mascarene Islds., known formerly as Île de Bourbon, afterwards as Île de Bonaparte; 970 s.m., 180,000 inh.; sugar, coffee. Taken fr. Fr. by Brit. 1810, restored 14.

Reus, ⊙ of Tarragona, Spain; 30,000 inh. *v.* Prim.

Reuss, name of 2 principalts. of Central Germ.: 1] R.-Greiz, domin. of elder line of R. fam.; 148 s.m., 50,000 inh. Cap. ⊙, Greiz; 13,000 inh. 2] R.-Schleiz, belonging to younger line, separated from R.-G. 1616; 297 s.m., 105,000 inh. Cap. ⊙, Schleiz; 5,000 inh. In both the prince has sole executive & part of the legislative power.

Reuss, E., Germ. †, * 18/7 1804 Strasburg; prof. there 38. ✓ "☬ of the Canon of Scripture," &c.

Reuter, 1] Paul Julius, * 21/7 1818 Cassel; fnded. "R.'s Agency" 51, baron 71. 2] H. L. C. F. ("Fritz R."), German humor. ✓, * 7/11 1810 Stavenhagen, † 12/7 74 Eisenach.

Revel, Reval, ⚓ ⊙ of Russ., on Bay of R., Gulf of Finland, cap. of govt. of Esthonia; 51,000 inh.; taken fr. Sweden by Peter the Gt.

Revelation, †, last book of New Testament, genlly. believed to have been written by St. John. Interpreted in 3 difft. ways: (1) Preterist, supposes all the predictions to have been fulfilled; (2) Futurist, regards them as unfulfilled; (3) Continuous, believes them to be a prediction of the whole ☬ of the Church.

Revett, Nicholas, Eng. ▲ & class. Ψ, * 1722, † 1804. /.

Réville, Albt., Fr. liberl. †/, * 4/11 1826 Dieppe; prof. of relig. ♛ Collége de Fr. 80. "Prolégomènes de l'♛ des Religions" 81, &c.

Revolutionary Calendar, Fr. ♛, C. decreed 24/11 1793, to begin fr. foundation of Republic 22/9 92. Twelve months: Vendemaire, Brumaire, Frimaire, Nivôse, Pluviôse, Ventôse, Germinal, Floréal, Prairial, Messidor, Fervidor or Thermidor, Fructidor. First 3 autumn, 2nd winter, 3rd Spring, 4th summer.

Revolver, pistol w. a rotating cylindrical breech perforated with several chambers, so as to discharge successive shots without being reloaded. Syst. dates fr. 15th cent.; 1st made a success by Col. Colt, U.S.A. ⚔, 1835. *v.* Mitrailleuse.

Rey, 1] Jean, Fr ♪ & ♫, * Bergerac, † 1645. /. 2] Jean B., Fr. ♥, * 1734, † 1810. Operas.

Reybaud, Marie R. L., Fr misc. / & polit., * 15/8 1799 Marseilles, † 28/10 1879.

Reyneau, Chas. R., Fr. math. & natural ∴, * 1656 Brissac, † 1728. /.

Reyner, Edwd., Nonconf. †, † 1670. /.

Reynolds, 1] Sir Joshua, port. & ♛ ● & /, * 16/7 1723 Plympton; to Lond. *ca.* 46, kntd. 69, 1st presdt. of Roy. Acad. 69–91, † 23/2 1792 Leicester Sq. "Discourses on ●" 71. 2] Edwd., Calvinist. †, * 1599; dean of Christ Ch., bp. of Norwich, † 1676. 3] Hy. Robt., †, * 26/2 1825 Romsey; Fell. Univ. Coll. 48, D.D. Edinb. 69, presdt. of Cheshunt Coll. 60. / "John the Bapt." 74, &c. 4] John H., poet. & misc. /, champion of Keats, * 1796, † 1852. 5] Fredk., ☉ /, * 1765, † 1841.

Rhadamanthus, Grk. myth., s. of Zeus & Europa; for his integrity made 1 of 3 judges in Hades.

Rhætic (or Penarth) **Beds,** ⚒, strata between the Lias & Trias, well developed in Rhætian Alps & at P., near Cardiff.

Rhamnaceæ, ❀, order of trees & shrubs, often spiny; flowers sm. & genlly. green, leaves simple & generally alternate; 37 gen., 480 specs.; 1 Brit. gen., *rhamnus*, buckthorns.

Rhazes, Arab ♪ at Bagdad, * 852, † 932. /.

Rhé, *v.* Ré.

Rhea, 1] Grk. myth., dau. of Uranus & Ge, & wife of Cronos (Saturn), who devoured her children. *v.* Cybele. 2] Zoology, *v.* Ostrich.

Rheims, Reims, ⊙ of Marne, France, on ⚓ Vesle; 95,000 inh.; champagne & woollen cloth; 13th cent. cathedral.

Rheinek, Christoph., Germ. ♥, * 1748 Memmingen, † 96. Operas, &c.

Rheinland, or Rhenish Pruss., most W. prov. of P.; 10,289 s.m., 4,080,000 inh.; annexed to P. by Treaty of Vienna 1815.

Rhenanus Beatus, Germ. /, * 1485 Schlettstadt, † 1547.

Rhenish, ▲, style assumed by later Romanesque in countries on ⚓ Rhine: round arches; churches usually round; façades of houses with gables rising in steps.

Rhenish Confederation, *v.* Rhine Confederation.

Rhetoric, theory & practice of eloquence, written or spoken.

Rheumatism, ♪, disease, essential nature unknown; may be (1) Acute, Rheumatic Fever, produced by poisonous matter (probably excess of lactic or uric acid) in blood; or (2) Chronic. Rheumatic Gout, or Rheumatic Arthritis, is a disease of joints sometimes producing atrophy of muscles & dislocation of tendons.

Rhinanthus, ❀, yellow-rattle; gen. of erect herbs, partly parasitic on roots of other plants; 1 Brit. spec., common Yellow-rattle, *R. crista-galli.*

Rhine, ⚓ of Eur., anct. boundary betwn. Gaul & Germany; rises in Switz., near ▲ St. Gothard, in 2

streams (Vorder Rhein & Hinter Rhein) wh. unite nr. Coire; passes thro' Lake Constance, Germany, & Netherlds, & falls into N. Sea nr. Leyden; 850 m.; drains *ca* 80,000 s.m.; connected by canal with ⚓s Rhone, Saone, Scheldt, Meuse, Danube. Chf. affluts. Aar, Neckar, Main, Lahn, Moselle, Saar From source to Basle known as Upper R., Basle to Cologne, Mid. R.; altwds. Lower R.

Rhine Confederation, league of Germanic States (Bavaria, Wurtemberg, Saxony, Westphalia, &c) in alliance w. Fr, formed by Nap I. 1806, dissolved 1814, & succ. by Germanic C, out of which, after secession of Austria 1866, grew N. German C., & finally German Empire.

Rhine Wines, W.s from grapes grown on borders of ⚓ R.; more esp., those of Rheingau, district in S.W. of Nassau. Best white R. W.s: Johannisberg, Hochheimer, Rudesheimer, Steinberger, Rothenberger, Markobrunner. Best known red, Asmannshauser.

Rhinoceros, zool., sole recent gen. of fam. *rhinocerotidæ*, divid. into 3 sectns.: (1) R. proper, w. 2 specs., *R. unicornis* (or *indicus*), & *R. sondaicus* (or *javanus*), smaller, (2) *ceratorhinus*, with folds of skin less strongly marked than in (1); (3) *atelodus*, 2 specs., *R. bicornis*, w. 2 horns, & *R. keitloa*. (1) & (2) are Asiatic, have incisors, & are smaller than (3), wh. is African & has no front teeth.

Rhinoplastic Operation, ✚, O. introd. *ca.* 1553 by J. Tagliacozzi, Ital. ✚ of Bononia, for forming an artific. nose, or restoring it if partially lost Piece for replacement orig. obtd. from patient's shoulder or arm; Liston introd. plan of cutting from forehead

Rhizopoda, zool., *myxopodia* of Huxley; ord. of *infusoria* contg. individuals w power of emitting pseudopodia (locomotive & prehensile organs).

Rhode Island, smallest State of U.S.A., on E coast, S of Mass.; 1,306 s m, 280,000 inh.; admitted 1790; 1 of New England States, & founded by Roger Williams 1636; named from island in Narragansett Bay, 50 s.m Cap. ⊙s: Newport, on the island; & Providence, on mainland.

Rhodes, Turk. island in Grecian Archipel, 1 of Sporades; 424 s m, 30,000 inh. Chf ⊙, R.; 20,000 inh.; founded *ca* 400 B C. *v.* Colossus.

Rhodian Laws, earliest ⚓ ⚖s, said to have been compiled by R.s *ca.* 900 B C, after they had obtnd. ⚓ supremacy.

Rhodium, ♃, rare metal fnd. w. platinum, wh. it resembles; at. wt 104·4, sp gr. 10·6 to 12; discvd. by Wollaston 1804.

Rhododendron, ❀, gen. of evergreen shrubs or low trees, akin to *azalea*, both hemispheres; most garden vars. are from *R. ponticum*, brought to England 1763.

Rhombohedron, geom., solid fig bounded by 6 equal & similar rhombuses.

Rhomboid, geom., oblique parallelogram whose opposite sides are equal.

Rhombus, geom., oblique parallelogram whose sides are all equal.

Rhône (anct. Rhodanus), 1] ⚓ of Eur; rises in Switz, near ▲ St. Gothard, passes through Lake of Geneva, enters Fr., recvs. ⚓ Saone, falls into Gulf of Lyons; 650 m., drains 38,000 s.m; navig. to Lyons; connected by canals w. ⚓s Seine, Loire, Rhine. 2] Deptmt. of Fr., divid by ⚓ R. from Ain & Isère; 1,077 s.m, 750,000 inh. Chief ⊙, Lyons

Rhône, Bouches-du-, *v.* Bouches du-Rhone.

Rhubarb, ❀, any plant of gen. *rheum*, ord. *polygoneæ* Common garden R., *R. rhaponticum* (but some red-stalked R. is *R. undulatum*), brought from banks of ⚓ Volga *ca.* 1573. Root used in

♃; stomachic & purgative. Turkey or Russian R. comes fr. China.

Rhumb Line, Loxodromic Curve; ⚓, track wh. cuts all the meridians at same angle.

Rhynchonella, zool., gen. of molluscs, class *brachiopoda;* 2 spiral arms, extensible beyond shell; four recent species; Arctic regions & N. Zealand; 332 fossil species.

Rhynchops, ornith., skimmers or scissors-bills; gen. of gull & tern fam., w. long broad bills, upper mandible much shorter than lower; tropical America, Africa, & India.

Rhys, John, Welsh philol., * 21/6 1840 Abercaero; Celtic prof. Oxford 77, Fell. of Jesus 81, Hibbert lect. 86. / "Celtic Heathendom," &c.

Ribbon-fish, ichth., fam. *trachypteridæ,* deep-sea fishes w. compressed R.-like forms; esp. *regalecus banksii,* oar-fish.

Ribbon Society, secret S. of Irishmen, fnded. *ca.* 1808; objects, to secure fixity of tenure & prevnt. farms from wh. tenants had been evicted fr. being let: piece of green R. worn in button-hole.

Ribera, J. (Spagnaletto), ⊕, * 12/1 1588 Valencia, † 1656 Naples.

Ribes, ♃, gen. of shrubs typ. of ord. *grossulariaceæ;* 56 specs., includg. red-currant, black-c., & gooseberry.

Rib-grass, *v.* Plantaginea.

Ribs, anat., highly elastic bones forming lateral walls of thorax; normal number on each side 12, sometimes a small 13th; 1st seven pairs, united to sternum, called sternal or true R.s, others asternal or false R.s. A R. consists of head, neck, tubercle, body, angle, & sub-costal groove.

Ricardo, Dav., polit. econ., * 19/4 1772 Lond.; M.P. for Portarlington 1819, † 23 Lond. / "Polit. Econ. & Taxation" 17, &c.; developed the theory of rent, "R.'s Theory."

Ricasoli, Bettino, baron, Ital. statesm., * 9/3 1809 Florence; Dictator of Tuscany 59, Premier Italy 61, 66–67, † 23/10 80.

Ricci, 1] Lorenzo, Jesuit, * 1703 Florence, † 75 in prison at Rome. 2] Matteo, Jesuit †, founder of Chinese missions, * 1552 Macerata, † 1610 Pekin.

Riccio, *v.* Rizzio.

Rice, *v.* Monteagle.

Rice, grain of *oryza sativa,* marsh plant nat. of S. Asia & S. Amer.; contains 85 % of starch.

Rice-paper, 1] paper made fr. pith of *aralia papyrifera,* island of Formosa; introduced into Eng. *ca.* 1803 & named R. because believed to be dried rice-pulp. 2] Paper made from rice-straw, used in Japan, &c.

Rich, 1] Ld., Eng. ⚖, * 1497, † 1568. 2] C. J., Fr. orientalist, * 1786 nr. Dijon; educ. in Eng., explored Babylon, † 1821.

Richard, *kings of England:* 1] I., Cœur-de-Lion, son of Hy. II. & Eleanor, * 8/9 1157 Oxford; rebelled agst. his father 73 & 89, succ. him 89, to Palestine on Crusade 90, m. Berengaria of Navarre at Cyprus 91, left Palestine 92, wrecked nr. Aquileia, arrested by Leopold dk. of Austr., ransomed 94, forgave his bro. John's rebelln., † fr. wound received before castle of Chalus, Limoges, 6/4 (or 8/4) 99. 2] II., s. of Black Prince, * 1366 Bordeaux; succ. Edw. III. 77, deftd. Tyler's rebellion 81, m. Ann of Bohemia 82, deposed by Hy. of Bolingbroke (Hy. IV.) 99, assassd. 14/2 1400 Pontefract Castle. 3] III. ("Crookback"), * 2/10 1452 Fotheringay; s. of Richd. dk. of York, & broth. of Edwd. IV.; Protector on Edwd.'s death 83, king same year, † 22/8 85 at ⚔ Bosworth.

Richard de Bury, Eng. † & statesm., * 1281; bp. of Durham & Chanc. of Eng., † 1345.

Richard of Cirencester, or Ricardus Corinensis, Eng. chronicler, * at C.; monk of Westminster, † 1402.

Richard of Hexham, prior of H. 1143, Ψ & chron. /.

Richard Plantagenet, E. of Cornwall, son of k. John, * 1209; elected k. of Romans by German princes 57, supported Hy. VIII. at Lewes against Sim. de Montfort, † 72.

Richards, 1] Hy. Brinley, ♥, * 1819 Carmarthen, † 6/5 85. ✓ "God bless the Prince of Wales," &c. 2] Alfd. Bate, misc. ✓ & projector of Volunteer movement, * 1820; edit. *Morning Advertiser*, † 12/6 76.

Richardson, 1] Saml., nov. ✓, * 1689 Derbysh., † 4/6 1761 nr. Fulham. "Pamela" 40, "Clarissa Harlowe" 48, "Sir Chas. Grandison" 54. 2] Chas., philol. & lexicog., * 1775, † 6/10 1865. 3] Jonath., port. ● & art ✓, * 1665, † 1745. 4] Joseph, satir. poet & ☽ ✓, * 1758, † 1808. 5] Thos. ("the Jeering Judge"), ⚖, * 1569; Chf. Just. of Com. Pleas 1626, of K.'s Bench 31, † 35. 6] Wm., Scot. ☽, poet., & crit. ✓, * 1743, † 1814. 7] John, † ✓ & bp. of Armagh, * 1579, † 1654. 8] John, Arctic expln. & naturalist, * 1787 Dumfries; ✗ & natrlst. to Franklin's expedtn. 1819, again 25, kntd. 46, led Franklin search expedition 48, † 5/5 65. ✓. 9] Benj. Ward, ✗ hygienic ✓, * 31/10 1828 Somerby; Fothergillian gold med. 54, Astley Cooper prize 56, F.R.S. 67, Croomian lect. 73, discovered application of ether spray 66. "Alcohol" 69, "Hygeia" 76, &c.

Richelieu, 1] Armand Jean du Plessis, duc de, Fr. statesm. & †, * 9/9 1585 Paris; War & For. Min. 1616–17, cardinal 22, 1st Min. of Louis XIII. 24, demolished feudal ♜s 26, reduced Rochelle (Huguenots) 28, abold. privileges of parlt. & clergy, suppressed all oppositn., wrested Catalonia & Roussillon fr. Spain, fnded. Fr. Acad. & Jardin des Plantes, † 4/12 42 Paris. ✓ "Mémoires," &c. 2] His grandneph., L. F. Armand du P., duc de, ♞ & diplomatist, * 13/3 1696; ambass. at Vienna, marshal 1748, took Minorca & conqrd. Hanover, † 8/3 88. 3] Armand, E. S. S., grd.-son of 2, statesm., * 25/9 1766 Paris; fled at revolutn. & became govr. of Odessa, Fr. Premier 1820–21, † 17/5 22 Paris.

Richmond, 1] ⊙ of Yorks., N. Riding, on Swale; *ca.* 5,000 inh.; divisn. rets. 1 M.P. 2] ⊙ of Surrey, on ⅄ Thames; 20,000 inh. Palace a royal residence up to time of Commonwealth; Park formed by Chas. I.; Observatory built by Sir W. Chambers 1769. 3] Cap. ⊙ of Virginia, U.S.A., on James ⅄; 65,000 inh.; fnded. 1742; cap. of Confederate States, taken by Grant 1865.

Richmond, 1] Geo., Eng. ● & ☺, * 1809; R.A. 67. 2] His son, Wm. Blake, ●, * 29/11 1843 London; Slade prof. Oxford 80–3. 3] Legh, Evang. † & ✓, * 1772, † 1827. "Annals of the Poor."

Richmond & Gordon, C. H. Gordon-Lennox, 6th dk. of, * 27/2 1818 Whitehall; succ. fath. as dk. of R. 60, G. dukedom added 76, Presdt. of Poor Law Bd. & K.G. 59, Presdt. of Bd. of Trade 67, 80–5, led Conserv. party in Lds. 70–7, Ld. Presdt. of Counc. 74–80, Scot. Sec. 85.

Richter, 1] Jean Paul F., German romantic & miscellaneous ✓ & humorist, * 21/3 1763 Wunsiedel, † 14/11 1825 Bayreuth. "Hesperus" 1792–4, "Titan" 99–1802, "Wild Oats" 03, &c. 2] Adrian L., ● & engrvr., * 28/9 1803 Dresden; prof. of landscape there 36, † 19/6 84. 3] H. E., ✗, * 14/5 1808 Leipzig, † 24/5 76. 4] G. K. L., port. & ♛ ●, * 31/8 1823 Berlin, † there 3/4 84. 5] Hans, Hung. ♥, * 4/4 1843 Raab; director of Court Opera Vienna 75, capellmeister 78, conducted Orchestral Concerts, London, 79.

Rickets, Rachitis, ✗, *mollities ossium*, softeng. of bones fr. want of lime.

Rickman, Thos., ⚠, * 1776 Maidenhead, † 1841. ✓.

Riddell, 1] C. E. L. (*née* Cowan), Irish nov. ✓, * *ca.* 1837 Carrick-

fergus." Geo. Geith," "Mitre Court" 85, &c. 2] Hy. Scott, Scot. poet. & misc. ✓, * 1798, † 1870.

Ridding, Geo., †, * *ca.* 1829; Fell. of Exeter Coll. 52, hd.-master of Winchester 68, bp. of Southwell 84.

Ridgeley, Thos., Nonconf. †, * 1667, † 1734. ✓.

Ridinger, Joh. E., anim. ● & etcher, * 15/2 1695 Ulm, † 10/4 1767 Augsburg.

Ridley, 1] Nich., Reform. †, * *ca.* 1500 Wilmontswick; bp. of Rochester 47, London 50, imprisd. 53 for heresy, burnt 16/10 55 Oxford. 2] Gloucester, †, poet., & misc. ✓, * 1702, † 74. 3] Sir Thos., civ. & eccles. ⚖, † 1629. ✓.

Riego-y-Nunez, Rafael de, Span. patriot, * 1785 Asturias; led successful revolutn. 1820, executd. 10/12 23.

Rienzi, Cola di (Niccola Lorenzo *Gabrini*), *Rom. democrat*, * *1313* Rome; stirred up people against nobles, tribune 47, driven from R. same year, imprisoned by Pope at Avignon 3 yrs., returned as Pope's repres. 54, murd. 8/10 54.

Ries, Ferd., Germ. 𝄞, * 1784 Bonn; in Eng. 1813-24, † 38 Frankfort. Operas, symphonies, &c.

Rietschel, Ernst, Germ. ◎, * 15/1 1824 Pulsnitz, † 21/2 61 Dresden.

Rifle, any gun, the barrel of wh. is grooved, so that bullet has rotatory motion on its own axis; may be polygroove (*e.g.*, Armstrong); w. only 2 grooves (as in the early R.s); with 2 grooves whose angles are rounded away so as to produce oval yet twisted bore (*e.g.*, Lancaster); or with 3 or more grooves (as in most modern R.s). *v.* Shot.

Rifle-bird, ornith., *ptiloris paradisea*, male velvety black, glossd. with purple; Australia.

Rig Veda, the oldest of the Vedas. *v.* Brahminism.

Riga, ● & ⚓ ⊙ of Livonia, Europ. Russ., on Southern Dwina ⚓; 160,000 inh.; shipbldg. Gulf of R., N.E. Baltic, 100 m. long, grtst. breadth 70 miles.

Rigas, Constant., Grk. poet. ✓ & polit. martyr, * 1754 Velestinos; surrd. to Turks by Austr., murd. 20/5 98 Belgrade.

Rigaud, Hyacinth, Fr. port. ●, * 20/7 1659 Perpignan, † 27/12 1743 Paris.

Rigault, Nicolas, Fr. philol. at Nancy, * 1577, † 1654.

Rigault-de-Grenouilly, Chas., Fr. admrl., * 12/4 1807; rear-adml. 54, comdr. of Mediterran. squad. 62, admrl. 64, † 4/4 73.

Rigby, Alex., Parly. ✕ & ⚖; Baron of Exchequer 1649, † 50.

Rigg, Jas. H., Wesleyan †, * 1821 Newcastle-on-T.; principal of Westmr. Training Coll. 68, presdt. of Conference 73. ✓.

Rigging, ⚓, the spars & ropes by wh. the sails of any vessel are supported & handled. Each rope or spar has its proper name. *v.* Plate.

Righi, or Rigi, ▲ of Schwyz canton, Switz.; 5,900 ft.

Rigor Mortis, physiol., the stiffness wh. arises within 7 hours after death; begins w. muscles of lower jaw & neck, then of trunk, next of arms, last of legs; passes off in same order.

Rigsdaler, Dan. cn. = 2s. $2\frac{1}{10}$d. sterling = 96 skilling.

Riley, John, portr. ● to Chas. II. & Wm. III., * 1646 Lond., † 91.

Rimmon, myth., Syrian god, seat of whose worship was Damascus.

Rinderpest, contagious typhoid cattle disease, 1st apprd. England 1865.

Rinforzando, 𝄞 = crescendo.

Ring Dove, Wood Pigeon, or Cushat, ornith., *columba palumbus*, largest pigeon in Britain.

Ring Money, M. formed like a R., in use in Egypt, &c., before coins of present form were invntd.; in Sweden & Norway till 12th cent.; still current in parts of Africa.

Ring Ouzel, *v.* Ouzel.

Ringley, Swiss ⊕ at Berne, * 1575, † 1635.

Ringworm, ℞, *tinea tonsurans,* affectn. of hair, scalp, or chin; due to white parasitic fungus, *achorion lebertii.*

Rintoul, Robt. Steph., journ., * 1787; founded *Spectator* 1828, † 58.

Rio, Span. & Portug. = river.

Rio Colorado, ⅄ of U.S.A.; rises in Rocky ▲s, falls into Gulf of California; 2,000 m.

Rio de Janeiro, cap. ⊙ of Brazil & of prov. of R. de J.; on coast; *ca. 350,000 inh.*; aqueduct to bring water fr. ▲ Corcovado; exports coffee; supersed. Bahia as cap. 1763.

Rio de la Plata, estuary betw. Argentine Repub. & Uruguay; 185 m. long, 130 m. broad at entrance; formed by confluence of Paraguay, Pilcomayo, Parana, Uruguay, & other ⅄s. On S. side is Buenos Ayres; on N., Monte Video.

Rio Grande del Norte, ⅄ of N. Amer., boundary betw. Mexico & Texas; rises in Rocky ▲s, falls into Gulf of Mexico; 1,800 m.

Rio Negro, 1] ⅄ of S. Amer., tribut. of Amazon; 1,000 m. 2] ⅄ of S. Amer.; rises in Andes, falls into Atlantic near ⊙ of Carmen; 750 m.

Rioja, Francisco de, Span. ✆ /, * 1600; ✍ographer to Philip IV., † 59.

Riot Act, ⚖t, A. passed 1715, by wh. 12 or more persons, unlawfully or riotously assembled, are declard. guilty of felony unless they disperse within an hour of being comd. by a magistrate to do so. To read the R. A. is to give warning to persons to disperse, by reading brief proclamation.

Ripamonte, Giuseppe, Ital. ✍ /, * 1578 Milan, † 1641.

Ripley, 1] Geo., Amer. †, ☠, & misc. /, * 3/10 1802 Greenfield, Mass.; Unit. minist. at Boston 28–31, lost fortune in Brook Farm experiment 44, † 4/6 80. "☠ of Religion" 39, &c. 2] Geo., /, canon of Austin Friars at Bridlington, † 1490.

Ripon, ⊙ of Yorksh., W. Riding; 7,500 inh.; divsn. rets. 1 M.P.; 12th cent. cathed., a bpric. 1836. Fountain Abbey 2 m. distant.

Ripon, 1] Geo. F. S. Robinson, marq. of, statesman, * 24/10 1827 London; s. of 1st earl of R., succ. father & uncle (Earl de Grey) 59, Und. Sec. for War 59, for Ind. 61, War Sec. 63, Sec. for Ind. 66, Ld. Presdt. of Council 68–73, K.G. 69, Chairm. of Washington Treaty Commission 71, creat. marq. 72, joined Roman Ch. 74, Viceroy of Ind. 80–84, 1st Ld. of Adm. 86.
2] Fredk. J. Robinson, 1st E. of, * 1782; 2nd s. of E. of Grantham; Chanc. of Excheq. 1823, Colon. Sec. & creat. Ld. Goderich 27, Premier same year, Colon. Sec. 30, Ld. Privy Seal & E. of R. 33, Presdt. of Bd. of Trade 41, † 59.

Riquet, Pierre P. de, Fr. ⚙, * 1604 Beziers; projected Languedoc Canal, † 80.

Rishanger, Wm., chronicle /; monk of St. Albans *ca.* 1300.

Rishi Gantang, ▲ Himalayas; 21,229 ft.

Ristich, Jowan, Serv. statesm., * 1831 Kragujevatz; President of Council 67, memb. of Council of Regency 68–72, For. Min. 72, 76–80, pro-Russian.

Ristori, Adelaide, Ital. trag. ✆, * 26/1 1818 Cividale; m. marq. del Grillo 47, 1st appeared in Paris 55, Lond. 58, 73, 82.

Ritardando, Ritenendo, 𝄾, Ital. = slower & slower.

Ritchie, 1] Chas. T., statesm., * 1838 Dundee; M.P. Tower Hamlets 74, Sec. Admiralty 85, Presdt. Loc. Govt. Bd. 86. 2] Leitch, misc. /, * 1801 Greenock; edit. of *Chambers' Journal,* † 16/1 65.

Ritschl, Fried. W., Germ. philol. & crit., * 6/4 1806 Grossvargula; prof. at Leipsic, † 9/11 76.

Ritson, 1] Joseph, Ψ & misc. /, * 1752 Stockton, † 1803. 2] Isaac, ℞ & misc. /, * 1761, † 89.

Ritsuô, great Japan. ⚲ & ⚭, * 1683, † 1747.

Rittenhouse, David, Amer. ⚙ & ⚖, * 1732 Virginia, † 96.

Ritter, 1] Karl, Germ. ⚭, * 7/8 1779 Quedlinburg, † 28/9 1859 Berlin. **2]** Hein., ⚖ & ♛ /, * 1791; prof. at Göttingen, † 3/2 1869. **3]** L., △ & ⚭, * 27/11 1832 Nuremberg.

Ritualists, †, section of High Churchmen who symbolise their teaching by Eucharistic vestments & ornate ritual.

Rivers. The chief are Mississippi 4,200 m. (w. Missouri); Nile 4,100; Amazon 3,750; Yang-tse-Kiang 3,600; Yenesei 3,400; Hoang-ho 2,400; Niger 2,300; La Plata 2,300; Amoor 2,240; Obi 2,000; Danube 1,725; Brahma-pootra 1,560; Congo 1,400; Ganges 1,350; Orinoco 1,150; Volga 400; Thames 250.

Rivet de la Grange, Ant., Fr. /, * 1683, † 1749. "Literary ♛ of France."

Riviera, strip of coast-land along Gulf of Genoa fr. Nice to Spezzia: R. di Ponente from Nice to Genoa; R. di Levante, Genoa to Spezzia.

Riviere, Briton, ⚭, * 14/8 1840 London; A.R.A. 78, R.A. 81.

Rivoli, villg. of Verona, Italy; ⚔ 15/1 1797, Fr. under Masséna deftd. Austrians.

Rivoli, duc de, *v.* Masséna.

Rizzio, or Riccio, Dav., Ital. ♪, sec. for for. langs. to & favourite of Mary Stuart, * 1540 Turin, assass. in her presence at Holyrood (at Darnley's instigation) 9/3 66.

Roach, ichth., *leuciscus rutilus*; Eur., N. of Alps.

Roan, sheepskin tanned w. sumach; process sim. to that used for morocco, except that R. is not grained by the grooved rollers in the finishing.

Rob Roy, *v.* Macgregor 2.

Robbia, Lucia della, Ital. artist in terra-cotta, * 1400 Florence, † 82.

Robert, 1] Hubert, Fr. ⚭, * 1732 Paris, † 1808. **2]** Louis Leop., Fr. genre ⚭, * 13/5 1794 Chaux de Fonds, † 20/3 1835. **3]** Ludw., Germ. poet, * 16/12 1778 Berlin, † 5/7 1832 Baden-Baden.

Robert of Geneva, anti-pope to Urban VI., † 1394.

Robert of Gloucester, *v.* Gloucester, Robert of.

Robert of Lincoln, *v.* Grosseteste.

Robert-Fleury, 1] Jos. Nic., ♛ ⚭ at Paris, * 8/8 1797 Cologne. **2]** His s., Toni, ⚭, * 1/9 1837 Paris.

Roberts, 1] Fredk. Sleigh, genl., * 30/9 1832; entered Bengal Artill. 51, V.C. 58 (Mutiny), Asst. Qrmstr.-Genl. Abyssinia 68, organd. Looshai exped. 71–2, commd. Kurum field force in Afghan War 78–9, comdr.-in-chief of war of 79–80, occupied Cabul 12/10 79, relievd. Candahar aft. brillt. march 1/9 80, bart., G.C.B., & thanked by Parlt., comdr.-in-chf. & High Comsnr. in S. Afr. 81, comdr.-in-chf. Ind. 85, in Burmah 86. **2]** David, ⚭, * 24/10 1796 near Edin.; A.R.A. 1839, R.A. 41, † 25/11 64. **3]** Wm., misc. /, * 1768, † 1849.

Robertson, 1] Geo. Croom, ⚖, * 10/3 1842 Aberdeen; assist. prof. of Grk. Aberd. 64–6, prof. of ment. ⚖ & logic Univ. Coll. 66, ed. *Mind* 76. /. **2]** Fredk. Wm., †, preacher, & /, * 1816 London, † 53 Brighton. "Sermons," "Analysis of 'In Memoriam,'" "Notes on Genesis," &c. Life by Stopford Brooke. **3]** Thos. Wm., ⚲ /, broth. of Mrs. Kendal, * 9/1 1829, † 3/1 71. *David Garrick* 64, *Caste* 67, *School* 69, *M.P.* 70, &c. **4]** Wm., Scot. ♛ / & †, * 19/9 1721 Borthwick; princip. of Edin. Univ. 62–80, † 11/6 93 Edin. "Scot. during Reigns of Mary & Jas. VI." 59, "Chas. V." 69, "America" 77, "Knowledge the Ancients had of India" 91. **5]** Jas. Craigie, Angl. † & /, * 1813; canon of Canterbury 59, † 9/6 82. **6]** Jas. Burton, poet., ♛, & crit. /, * 15/11 1800; prof. of ♛ & / Dublin R. Cath. Univ., † 14/2 77. "Ed. Burke" 68, &c. **7]**

Joseph, † & misc. ✓, * 1726, † 1802. 8] Patrick, Scot. ♃ & verse ✓, * 1794, † 1855. 9] Wm., grammar. & lexicog., * *ca.* 1686. 10] Wm. Tindal, ♃ & polit., * 1825; ♃ to Genl. Hospital at Nottingham, M.P. 86, kntd. 88; blind.

Robespierre, Maximil. M. I. de ("the Incorruptible"), Fr. revol. polit., * 6/5 1758 Arras; member States-General 89, leader of Jacobins, estabd. Reign of Terror, † by guillotine 28/7 94. ✓.

Robin Hood, outlaw *temp.* Rich. Cœur de Lion; an archer in Sherwood Forest; perhaps mythical.

Robinia, ♨, gen. of *galegea*, N. Amer. trees; *R. pseudacacia*, bastard acacia, or locust-tree; *R. hispida*, rose acacia.

Robins, Benj., math. & ✕ ⊕, * 1707 Bath; ⊕-in-genl. to E. I. C., † 51 Madras. ✓ "New Principles of Gunnery" 42.

Robinson, 1] A. Mary F., poet. & misc. ✓, * 27/2 1857 Leamington. "Ital. Garden" 86, &c.

2] Her younger sist., F. Mabel, novel & misc. ✓. "Disenchantment," &c. 3] Hercules G. R., Brit. administr., * 1824; govr. of Hong-Kong & kntd. 59, of Ceylon 65, of N. S. Wales 72, annex. Fiji Islands as High Commissioner 74, G.C.M.G. 75, govr. of N. Zealand 78, of Cape Coly. 80, P.C. 83, High Commissioner to Mauritius 86.

4] Phil. Stewart ("Phil R."), misc. & natur. ✓, * 13/10 1849 Chunar, Ind.; war corresp. Afghan. 78–9, Zululand 79, Egypt 82, Soudan 85. "Und. the Sun" 82, &c.

5] Hy. Crabbe, misc. ✓, * 1775 Bury St. Edmunds; foreign corresp. of *Times*, † 67. "Diary, Reminiscences, & Correspondence" 69. 6] Edwd., Amer. † ✓, * 1794 Southington, Conn.; prof. of Bibl. ✓ New York 37, † 27/1 68. 7] His wife, T. A. L., ✓, * 1797, Halle, Germ., † 1870. 8] John Hy., R.A., Eng. engraver, * 1796, † 21/10 1871. 9] Mary, ✆ & poetess, * 1758, † 1800. 10] Robt., Nonconf. †, * 1735, † 90. ✓. 11] J. C., *v.* Percy Anecdotes. 12] *v.* Ripon.

Robison, John, Scot. ♃ & ♗, * 1739, † 1805. ✓.

Robson, Fredk., com. ✆, * 1821; to London 45, † 12/8 64.

Robur Caroli, R. Carolinum, ✶, King Charles's Oak, a S. constellation formed by Halley 1676 from part of Argo Navis.

Robusti, *v.* Tintoretto.

Roby, 1] Hy. John, class. & ♃ ✓, * 12/8 1830 Tamworth; sen. class. St. John's, Camb., 53; prof. of jurisprud. Univ. Coll. 66–8, an Endowed Schools Comnr. 72–4. ✓ "Lat. Grammar" 71–74, "Introd. to Justinian's Digest" 84.

2] John, poet. & misc. ✓, * 1793, † 1850.

Rocambole, ♨, pop. name for *allium scorodoprasum*, Denmark, & *A. ophioscorodon*, Greece; like garlic.

Rochambeau, Jean B. D. de Vineur, comte de, Fr. marsh., * 1/7 1725 Vendôme; comd. Fr. force in Amer. War of Independ. 80, † 10/5 1807.

Rochdale, ⊙ of Lanca.; 70,000 inh.; blankets, carpets, woollen & cotton goods; rets. 1 M.P.

Roche, Regina Maria, nov. ✓, * 1765, † 1845 Waterford.

Rochefort, ♚ & ⚓ ⊙ of Charente-Inférieure department, Fr.; 26,000 inh.; shipbuilding.

Rochefort, Guill. de, Fr. ✆ & ♗ ✓, * 1731 Lyons, † 88.

Rochefort-Lucay, V. Henri, count de ("H. Rochefort"), Fr. journ. ✓ & polit., * 30/1 1830 Paris; fnded. *Lanterne* 65, *Marseillaise* 69, imprisoned for attacking imperial fam. 70, sent. to life-imprismt. 71 as Communist, escap. fr. N. Caledonia 74, fnded. *Intransigeant* 80.

Rochefoucauld, *v.* La Rochefoucauld.

Rochelle, La, *v.* La Rochelle.

Rochester, 1] ⊙ of Kent, on ⚓ Medway; 22,000 inh.; 11th cent. cathed.; rets. 1 M.P. 2] ⊙ of New York, U.S.A.; 90,000 inh.; univ.

Rochester, John Wilmot, earl of, poet. ✓, * 1647 Ditchley, † 26/7 80. "Poems" 80, *Valentinian* 85.

Rochon, Alexis M., Fr. ✱, * 1741, † 1817. ✓.

Rock-butter, ⊕, impure efflorescences oozing fr. some alum shales

Rock-crystal, ⊕, colourless vars. of quartz.

Rock-oil, *v.* Petroleum.

Rock-rose, ❦, gen. *helianthemum* of *cistaceæ;* 4 Brit. species.

Rock-salt, ⚒, S. deposited as a ⚒ stratum; red clays containing it are fr. 1,000 to 1,500 ft. deep in Lancs. & Cheshire.

Rock-soap, dark brown or black var. of bole, w. greasy surface.

Rocket, ❦, name for many *cruciferæ,* esp. *eruca sativa,* garden R.

Rockhampton ⚓ ⊙ of N. Queensland; 12,000 inh.

Rockingham, Chas. W. Wentworth, earl of, Whig statesm., * 1730; Premier 65–6, 82, † 82.

Rocking Stone, S. evenly balanced on a natural pedestal, by either nat. or artific. means, so that they can be moved by hand. They are often what are known as Perched Blocks (*q.v.*).

Rockling, ichth., ⚓ gen. *motella,* of cod fam.; 8 specs., 4 on Brit. coasts.

Rocks, ⚒, any portion of earth's crust, soft or hard; divid. by composition into siliceous or arenaceous (sand & sandstone), argillaceous (clay), calcareous (carbonate of lime); by origin into aqueous or sedimentary, volcanic, metamorphic, plutonic, & aërial. Aqueous, metam., & aërial genlly. stratified; vol. & plut. unstratified; these also called igneous.

Rocky ▲s, ▲▲ along W. coast of N. Amer., 50 to 300 m. fr. sea, 50 to 100 m. broad, *ca.* 3,500 m. long; highest summits: Brown, Hooker, & Murchison, in Brit. Columb., all nearly 16,000 ft.; Fremont's Peak, Wyoming, 13,500 ft.; Long's Peak 13,000 ft., & Pike's Peak 12,000 ft., Colorado.

Rod, Brit. meas. of length = 5½ yds.; sq. rod of brickwork = 272¼ sq. ft.

Rodbertus, Carl J., founder of scient. socialism, * 12/7 1815 Greifswald; Pruss. Min. of Education & Worship 48, † 8/12 75; developed Ricardian theory of value.

Rodentia, zool., the order of gnawers, of class *mammalia,* including rats & mice, mole rats, jerboas, dormice, pouched rats, beavers, squirrels, chinchillas & viscachas, spiny rats, porcupines, hares, & rabbits.

Roderick, last Visigoth king of Spain, † in ⚔ w. Arabs 711, Jerez.

Rodney, Geo. Brydges, baron, Eng. admiral, * 19/2 1718 Walton-on-Thames; govr. of Newfoundland 52, adml. & bombard. Havre 59, deftd. Span. fleet off Cape St. Vincent 16/1 80, deftd. Fr. fleet off St. Lucia 12/4 82, peer & pension, † 21/5 92; monument St. Paul's.

Rodriguez, one of Mascarene Islds., a dependcy. of Mauritius; 12 m. × 3–6 m.; 1,500 inh.

Roe, 1] male & fem. element in fishes. Called in male, milt, or soft R.; in fem., spawn, or hard R. 2] Zool., small, almost tailless deer, *capreolus caprea.*

Roe, Sir Thos., Eng. diplom. & Ψ, * 1580; bore home Alexandrian MS. (*v.* Codex), † 1644.

Roebuck, 1] John Arth. ("Tear 'em"), polit. & ✓, * 1801 Madras; to Eng. 24, Q.C. 43, M.P. for Bath 32–7, 42–7, Sheffield 49–68, 74–9, overthrew Aberdeen Ministry with "Sebastopol Committee" motion 55, supported Beaconsfield's Eastn. policy 74–9, Priv. Counc. 79, † 30/11 79. 2] John, ⚗ & metallurg., * 1718; fnded. Carron Iron Wks., † 94.

Roelas, Juan de las, Span. ●, †, & philanthropist, * 1560, † 1625.

Roemer, Olav, Dan. ✱, * 1644 Aarhuus, Jutland; determd. veloc. of light, † 1710.

Rogation Days, †, Monday, Tues & Wed. before Ascension D., when spec. litanies are sung.

Rogatory Letters, ⚖, commission from one judge requesting another to examine a witness.

——, 1] I. of Sicily, * 1031; conqd. Sicily 61–71, Malta 90, † 22/6 1101. 2] His s., II., * 1097; seized Apulia 1127, king of Two Sicilies 30, † 26/2 54. 3] Bp. of Salisbury, regent for Hy. I., † 1139. 4] Prior of Hexham, 12th century chronicle /.

Roger de Hoveden, *v.* Hoveden.

Roger of Wendover, Eng. chronicle /; monk of St. Albans, then prior of Belvoir, † 1237.

Rogers, 1] Wm., † & educationalist, * 1819 Lond.; prebend. of St. Paul's. / "Reminiscences" 88. 2] Saml., poet. /, virtuoso, & banker, * 30/7 1763 Lond.; declined P.-Laureateship 1850, † 18/12 55. "Ode to Superstition" 1786, "Pleasures of Memory" 92, "Columbus" 1812, "Human Life" 19, "Italy" 22. 3] Hy., † / & *Edin. Review* essayist, * 18/10 1806 St. Albans; princip. of Lancs. Indep. College at Manchester, † 20/8 77. "Eclipse of Faith" 52, "Supernat. Origin of Bible" 74, &c. 4] John, †, the 1st Marian martyr, * 1509; canon of St. Paul's, † by fire 4/2 55 Smithfield. 5] Chas., †, Ψ, & misc. /, * 1825. 6] J. F. Thorold, polit. econ., /, & polit., * 1822; prof. of polit. econ., Oxford, 62–68 & 88, M.P. 80–86.

Roget, Peter Mark, ♃, & ♃ & misc. /, * 1779 London, of Huguenot desct., † 13/9 1869. "Thesaurus of English Words & Phrases."

Rogier, Chas., Belg. Lib. statesman & journ., * 16/8 1800 St. Quentin; Home Min. 32–4, 47–52, For. Min. 61–8, † 85.

Rohault, Jas., Fr. math. & Cartesian ✱, * 1620 Amiens, † 75.

Rohilkhand, division of N.W. Provs., Brit. Ind., includg. distrs. of Bijnaur, Moradabad, Budaun, Bareli, Shahjahanpur, Tarai; 11,805 s.m., 5,500,000 inh.

Rohtak, distr. of Hissar, Brit. Ind.; 1,811 s.m., 550,000 inh. Chf. ⊙, R.; 15,000 inh.

Rokewode, John Gage, ♛ of Suffolk, * 1786, † 1842.

Rokitansky, Karl v., Austr. ♃, * 2/2 1804 Koniggsgratz; prof. at Vienna, † 23/7 78. /.

Roland, 1] or Orlando, a Paladin of Charlemagne, said to have been sln. ⚔ of Roncevaux (Roncesvalles) 778; hero of romance. 2] A Fr. Calvinist leader, * 1675, shot 1704.

Roland de la Platière, 1] Fr. statesm., * 18/2 1734; Min. of Int. 92, fled on fall of Girondists, † by suic. 9/11 93 on hearing of his wife's execution. 2] His w., Manon J. ("Mme. Roland"), *née* Philipon, /, * 17/3 1754 Paris; refused to fly with 1, † by guillotine 9/11 93. "Appeal to Posterity."

Rolfe, R. M., *v.* Cranworth.

Rolle, Richd., hermit, poet. /, * *ca.* 1290, † 1349.

Roller, ornith., 1] fam. *coracidæ*, chfly. Afr. & S. Asia; turn over in air like tumbler pigeons. 2] A var. of the latter.

Rolleston, Geo., ♃ & scientist, * 30/7 1829 Maltby; Linacre prof. of anat. & physiol. Oxford 60–81, F.R.S. 62, Fell. of Merton 72, † 16/6 81. / "Forms of Animal Life," &c.

Rolliad, The, series of polit. satires, of wh. the 1st, publd. in a London newspaper 1784, was a criticism on Col. (afterw. Ld.) Rolle.

Rollin, Chas., Fr. ♛ /, * 30/1 1661 Paris; rec. of Paris Univ., † 14/9 1741. "Anct. ♛" 30–8, &c.; works edited by Guizot 1821–7.

Rollo, 1st duke of Normandy, * 860 Norway; seized & ♚ Rouen, conqrd. surroundg. country, which was ceded to him by the Fr. on his becoming a Christian, † 932.

Rollock, Robt., Scot. †, * 1555, † 98.

Rolt, Richd., misc. /, * 1724, † 70.

Romagna, formerly a prov. of Papal States.

Romagnosi, Gian D., Italian jurist & ✱, * 1761; prof. at Parma, Pavia, & Milan, † 1835. /.

Romaic, vernacular language of modern Greece; named fr. its being the lang. of descendts. of the Eastern Romans; a corruptn. of anct. Grk., the characters bng. the same.

Romaine, Wm., Evang. † & preacher, * 25/9 1714 Hartlepool, † 26/7 95. /.

Roman Architecture, *v.* Composite Order.

Roman Catholic Church, †, claims to be the only true Ch., all other bodies being heret. or schismatic; holds Apostles', Nicene, & Athanasian Creeds, Transubstantiation & sacrifice of Mass, Seven Sacraments, Confession, Purgatory, Immaculate Conception of Virgin Mary, & Infallibility of Pope; estimated to numb. *ca.* 114,000,000, w. 1,100 archbps. & bps. Ireland 4,000,000, Grt. Brit. 1,680,000, continent of Eur. *ca.* 100,000,000, U.S.A. 7,500,000. R. C. Emancipation in Eng. 1829. *v.* Pope & Papal States, Reformation, &c.

Roman Cement, pozzuolan & lime. Hardens under water.

Roman Empire, founded by Romulus *ca.* 753 B.C.; last of 7 kings, Tarquin the Proud, expelled 510; then ruled by prætors, afterw. by consuls; became an E. under Augustus 27 B.C.; divd. by Diocletian into E. & W. Empires 296, reunited by Constans 340, again divd. by Valentinian & Valens 364; W. Emp. fell 476, E. Emp. 1453, when Constantinople was tkn. by Turks.

Roman Law, originatg. in custom, reached its 1st stage of development in the 12 Tables of Decemviri 451 B.C.; these were supplemented rath. than supersed. und. the repub. & the Emp.; finally condensed into a syst. by Justinian Code 529 A.D. Has influenced the legislation of all European nations.

Roman Literature, fnded. by Ennius (* 249 B.C.), previous R. /s having written in Grk., on Grk. models; culminated in Augustan age; began to decline *ca.* 180 A.D., last stage of decay 6th cent.

Roman Numerals, used in Eng. till 16th cent., then gently. superseded by Arabian N.s.

Roman Ochre, ●, rich deep orange-yellow pigmt., transpart., & durable, used (both raw & burnt), in oil & water-colour ●. Colouring-matter, oxide of iron.

Roman Type, ordinary printg. type, as opposed to *italic.*

Romances are so called bec. the earliest tales in Middle Ages were in the Romance langs., a mixture of Lat. w. the indig. tongues of France & Spain.

Romanes, Geo. John, natrlst. & psychol., * 20/5 1848 Kingston, Canada; educ. at Camb., Croomian lect. 75 & 81, F.R.S. 79, zool. sec. to Linnæan Soc., Rosebery lect. Edinb. Univ. 86. / "Mental Evolution" 78, &c.

Romanesque, 1] ▲, the styles wh. prevailed between 5th & 12th cents., incldg. debased Roman, Byzantine, Lombard, Rhenish, Saxon, & Early Norman; then came the Gothic. 2] Common dialect of Languedoc & oth. districts in S. Fr.

Romano, Guilio, *v.* Guilio.

Romanoff, fam. of Russ. czars, 1613–1730, fnded. by Michael Feodorowitch; ended w. grd.-son of Peter the Great.

Romanoff, Peter A., Russ. genl. und. Cath. II., * 1730, † 96.

Romans, Epistle to, / by St. Paul at Corinth *ca.* 58.

Romanus, 4 Rom. emperors of East: 1] Lecapenus 919–44. 2] The Younger, 959–63. 3] Argyrus, 1028–34. 4] Diogenes, 1067–71.

Romany, lang. of gypsies, related as "a sister, not a dau.," to the 7 chief Indian dialects; now much corrupted.

Rome, formerly cap. of Roman Empire, now of kingd. of Italy, 15 m. fr. mouth of ▲ Tiber; St. Peter's Cathed., 16th & 17th cents.; Vatican (Papal residence), w. libr. & art collect., 15th cent.; Sistine Chapel; royal & other palaces; univ. 1244; ruins of Coliseum, &c.; 350,000 inh.

⚜: founded by Romulus 753 B.C., spread over Seven Hills (Palatine, Capitoline, Quirinal, Cœlian, Aventine, Viminal, Esquiline) by 534; pop. 2nd cent. A.D. *ca.* 2,000,000; cap. of Papal States 728–1870, then cap. of Italy.

Romilly, 1] John, Lord, ⚖ & statesm., * 1802; Solic.-Genl. 48, Atty.-Genl. 50, Mast. of Rolls 51, peer 66, retired on pension 73, Keeper of Pub. Records, † 23/12 74. 2] His fath., Saml., ⚖ & ⚖ refrmr., * 1/3 1757 London, of Huguenot fam.; M.P. 1806, Sol.-Genl. & kntd. 06–7, † by suic. 2/11 18 London. / "Criminal ⚖ of Eng." 10, &c.

Romney, Geo., port. ●, * 1734 Dalton, † 1802 Kendal.

Romulus, Rom. myth., fndr. of ⊙ of Rome, son of Mars by Rhea Silvia; with his twin-bro. Remus exposed at birth, but rescued & suckled by she-wolf; having fnded. Rome, he slew his bro.; ascended to heaven; deified as Quirinus.

Romulus Augustulus, *v.* Augustulus.

Roncesvalles, Span. frontier village; ⚔ 778; anct. sanctuary.

Rondeau, poem in iambic verse of 8 or 10 syllables, 13 lines; only 2 rhymes; refrain at end of 8th & 13th lines.

Rondel, poem in 14 lines of 8 syllables, w. only 2 rhymes; 7th & 8th, & 13th & 14th lines repetitions of 1st & 2nd.

Rondo, ♫, compositn., vocal or instr., genlly. of 3 strains, 1st of wh. closes in the orig. key, while each of the others leads back to 1st strain.

Ronge, Johann, Germ. R. Cath. †, * 16/10 1813 Birchofswalde, Silesia; denounced Holy Coat of Trèves as imposture, excommd.; to London 48 to estab. kindergarten, retired 61, † 26/10 87.

Ronsard, Pierre de, Fr. poet, * 10/9 1524 La Poisonnière, † 27/12 85 Tours.

Rood, meas. of surf. = ¼ acre = 40 square rods.

Rook, ornith., *corvus frugilegus.*

Rooke, 1] Sir Geo., Eng. admrl., * 1650; won ⚔s of La Hogue 92, Malaga 1704, took Gibraltar 13/7 04, † 09. 2] Laurence, Eng. ✈, * 1623, † 62.

Roon, A. T. E., count v., Pruss. field-marsh., * 30/4 1803 nr. Colberg; tutor to Prince Frederick Chas. 44, chief of staff 8th Army Corps 48, War Min. 59, ⚓ Min. 61 as well, re-organised Pr. army w. Moltke & others, President of Ministry 71, field-marshal 73, † 23/2 79 Berlin. / on ●.

Root, ❦, has only a thin epidermis, a few stomata, & rarely leaf-buds; body is the caudex, minute subdivisions the fibrils or radicles, their ends spongioles. Primary R.s originate with the embryo, & are in line w. stem; secondary R.s (*e.g.*, ivy) spring laterally fr. stem & prim. R. Primary R.s thicker than branches are tap-R.s; when no thickr. than brnchs., wh. hide them, fibrous R.s. Most R.s terrest., a few aërial & aquatic.

Roper, Wm., biog. /. "L. of Sir Thos. Moore," published 1716.

Roquelaure, short cloak for men, in vogue ca. 1715; named aft. Duke of R.

Rorqual, Fin-whale, zool., pop. names of gen. *balænoptera* of ⚓ mammals; some speca. 70 ft. long.

Rosa, Salvatore, *v.* Salvator Rosa.

Rosaceæ, ❦, roseworts; ord. of herbaceous plants incldg. roses, apples, pears, strawberries, cherries, peaches, blackberries, raspberries, &c.; 71 genera, 1,000 specs. (Hooker); stamens indef. & always united to calyx.

Rosamond ("Fair R."), mistr. of Hy. II., dau. of Walter Ld. Clifford; kept in a labyrinthine bower at Woodstock, † (perhaps poisoned by Q. Eleanor) 1173 Godstow Nunnery.

Rosaniline, Aniline Red, Magenta, ⚗, red dye preprd. by heating mixture of dry arsenic acid & aniline to 140°.

Rosary, †, 1] string of beads for countg. prayers. 2] Form of prayer in wh. the Ave Maria is recited 150 times.

Rosas, Juan Manuel de, 1st Presdt. of Argentine Republ. 1835–51, * 30/3 1793 Buenos Ayres; fled to Eng. to escape pop. vengeance, † 14/3 1877 near Southampton.

Roschd, Ibn, *v.* Averrhoes.

Roscher, Wilh., Germ. economist, * 21/10 1817 Hanover; prof. of polit. econ. Gottingen 44–8, at Leipzig 48. /.

Roscius, Quintus, Rom. com. ☉, * 134 B.C. Solonium, † *ca.* 62.

Roscoe, 1] Hy. E., ⚗ & polit., * 7/1 1833 London; prof. of ⚗ Manchester 58, F.R.S. 63, Roy. Soc.'s medal 73, presdt. of ⚗ Soc. of Lond. 80, M.P. 85. /. 2] His grandfath., Wm., ✍ & biog. /, * 8/3 1753 Liverpool, † 30/6 1831. "Lorenzo de Medici" 1799, "Leo X." 3] Hy., son of 2, ⚗ & misc. /, * 1800, † 36. 4] Robt., poet, * 1789, † 1850. 5] Wm. Caldwell, poet. & misc. /, * 1823, † 60.

Roscommon, co. in Connaught, Ireland; 949 s.m., 150,000 inh.; rets. 2 M.P.s: N. & S. divisions.

Roscommon, Wentworth Dillon, 4th earl of, poet. & crit. /, * 1633 Ireland, † 84.

Rose, 1] Geo. ("Arthur Sketchley"), humor. / & †, * 1817; Ind. R. Cath. Church 45, † 82. "Mrs. Brown" series 68–76. 2] Sir H., *v.* Strathnairn. 3] Heinr., Germ. ⚗, * 6/8 1795 Berlin, † there 27/1 1864. 4] Gustav, Germ. ⊕, * 18/3 1798 Berlin; prof. there 1826, to N. Asia w. Humboldt 28, † 15/7 73. /. 5] Hy. John, Eng. †, * 1801; archdeacon of Bedford, † 3/1 73. /. 6] Hugh Jas., Eng. † & editor of "Ency. Metropolitana," * 1795, † 1838. 7] Wm., Scot. poet. /, * 1762, † 90. 8] Wm. Stewart, poet. / & translator, * 1775, † 1843.

Rose, ✿, pop. name (1) for gen. *rosa*, (2) for many specs. of difft. gen. & orders resembling (1). Dog- or Brier-R., *R. canina;* Sweetbrier, *R. rubiginosa;* Cabbage R., *R. centifolia;* Chinese R., *R. indica* (of which Tea-scented R. is a var.; Christmas R., *helleborus niger;* Guelder R., sterile flowered var. of *viburnum opulus;* Corn-R., *papaver rhœas.*

Rose-beetle, R.-chafer, entom., *cetonia aurata;* frequents flowers.

Rose-noble, old English coin stamped w. a R.; *temp.* Edw. III. = 6/8; Edw. IV. = 8/4.

Rose of Jericho, ✿, *anastatica hierochuntina;* sm. white flowers; Eastern deserts.

Rose-rash, ✱, *roseola;* crimson rash, w. feverishness & nauseas.

Rose-window, △, Catherine-wheel W; circular, with mullions diverging fr. centre & joining the cusps around.

Rosebery, Archib. Phil. Primrose, 5th earl of, statesm., * 1847 London; Ld. Rec. of Aberd. Univ. 78, of Edinburgh 80, Home Und. Sec. 81–3, 1st Comsr. of Wks. 84, For. Sec. 86.

Rosecrans, Wm. Stark, Amer. genl & diplom., * 1819 Kingston, Ohio; brig.-genl. 61, comd. Mississippi Army 62, superseded 63 after defeat at Chickamauga, Min. to Mexico 68.

Rosemary, ✿, *rosmarinus officinalis,* evergreen shrub, w. fragrant leaves; yields volatile oil.

Rosen, 1] Geo., Germ. orientalist & ✍/, * 21/9 1821. 2] Julius, ☉ /, * 8/10 1833 Prague. 3] Fried. Aug., Hanoverian orientalist, * 1805; prof. in Univ. College London, † 37. /.

Rosenmüller, 1] Johann G., Germ. † /, * 1736 Ummerstadt; prof. at Leipzig, † there 1815. 2] His s., Ernst F. K., † /, * 1768; prof. at Leipzig, † 1835.

Roses, Wars of the, wars between Houses of Yk. & Lancaster, beginning with rebellion of Dk. of York agst. Hy. VI. 1452, ending (after 14 ⚔s) w. accessn. of Tudor dyn. in Hy. VII. 85. Lancastrian badge was red, Yorkist white, rose.

Rosetta, ⚓ ⊙ of Egypt, on most W. mouth of ⅄ Nile; 16,000 inh.

Rosetta Stone, tablet fnd. nr. Rosetta 1798, bearing inscription of 136 B.C. in hieroglyphic, demotic, & Grk., so furnishg. key to hieroglyphics; in Brit. Museum.

Rosewood, wood either of rose colour or that yields perfume lik roses when cut; best fr. S. Amer. dalbergias.

Rosicrucians, mystic secret soc. wh. bec. known 17th cent., & was alleged to have bn. fnded. by Christian Rosenkreuz, Germ. noble, 1388; extinct in 18th cent. Some deny its existence.

Rosin, resin with all the water distilled away; a compnd. of sevrl. hydro-carbons. R.-oil is obtained from resin of pine-tree.

Rosini, Giov., Ital. art & misc. ✓, * 24/6 1776 Lucignano; prof. at Pisa, † there 16/5 1855.

Rosmarine, the walrus (*q.v.*).

Rosmini, Ant., Ital. ✠ & † ✓, * 1797 Roveredo, † 1855 Stresa.

Rosmini-Serbati, Ant., Ital. ✠, * 1797 Roveredo, † 1/7 1855 Stressa.

Ross, *v.* Cromarty.

Ross, 1] John, Scot. Arctic explorer, * 24/6 1777 Balsarroc; expld. Baffin's Bay 1818, sought passage thro' Barrow's Straits 29–33, kntd. (w. £5,000) 34, in search of Franklin 50, † 30/8 56 London. ✓. 2] His neph., Jas. Clark, ⚓ & Arctic expl., * 1800 Wigtonsh.; accompanied his uncle 18 & 29, discvd. N. Magnet. Pole 33, to Antarctic 39–43, kntd. 43, in search of Franklin 48–49, † 3/4 62. ✓. 3] Alex., Scot. poet. ✓, * 1699, † 1784. 4] Sir Wm. Chas., R.A., miniat. ●, * 1794, † 1860. 5] (or Rouse), John, Ψ & ♛ ("the Ψ of Warwick"), † 1491. 6] Alex., misc. ✓, * 1590, † 1654.

Rosse, Wm. Parsons, 3rd earl of, ✱, * 17/6 1800 York; succ. 41, Irish repres. peer 45, built Monster Telescope at Parsonstown 45–8 (£30,000), presdt. of Roy. Soc. 48–54, chanc. of Dublin Univ. 62–7, † 31/10 67. ✓. Statue at Parsonstown 76.

Rossetti, Gab. Chas. Dante, poet & ●, * 12/5 1828 Lond.; s. of Gabriel R., Ital. poet & patriot; fnded. Pre-Raphaelite brotherhood 48, estabd. *Germ* 50, m. E. E. Siddall 60, "Early Ital. Poets" (transl.) 61, "Poems" 70, † 9/4 82; his ●s & drawings, ca. 400 in numb., not exhib. till after his death. 2] His sister, Christina Georgina, poet. & misc. ✓, * 5/12 1830 London; "Goblin Market" 62, "Prince's Progress" 66, "A Pageant" 81, &c. 3] Her sist., Maria Francesca, misc. ✓, * 17/2 1827; "A Shadow of Dante" 71, † 76. 4] Her bro., Wm. M., art & ✓ critic, * 5/9 1829 London. "Fine Art" 67, &c.

Rossi, 1] E., Ital. trag. ☾, * 1829 Leghorn; has appeared in Paris, Vienna, Lond., &c. 2] Pellegrino, Ital. statesm., * 13/7 1787 Carrara; prof. of ⚖ Bologna 1812, prof. of polit. econ. Paris 32, Fr. amb. to Rome 45, in Pius IX.'s 1st Ministry 48, assassd. 15/11 48. ✓. 3] John Chas. Felix, Eng. ☺ of Ital. descent, * 1762, † 1839; specimens of his work in St. Paul's.

Rossini, Gioacchino Antonio, Ital. ♪, * 29/2 1792 Pesaro; to Paris 1824, † there 13/11 68; composed *Tancredi* 13, *Il Barbiere di Seviglia* & *Otello* 16, *Mosè in Egitto* 18, *Semiramide* 23, *Guglielmo Tell* 29, *Stabat Mater* 42, *Messe Solennelle* 64, &c.

Rosslyn, E. of, *v.* Wedderburn.

Rosso, Giov. B., Ital. ▲ & ●, * 1496 Florence; to France 1630, designd. & decoratd. Fontainebleau, fnded. school of ●s, † by suicide 41 Paris.

Rostock, ⊙ of Mecklenburg-Schwerin, on ⅄ Warnow; 37,000 inh.; univ. 1419.

Rostof, or Rostov-on-the-Don, ⊙ of S. Russ., at head of Don delta; 40,000 inh.

Rostopschin, Feod. V., count. Russ. statesm. und. Paul & Alex.,

* 23/3 1765; govr. of Moscow 1812, † there 12/2 26.

Rotation of Crops, ⚒, cultivation of diffnt. kind of crop each yr., for a certain period, to prevent exhaustn. of soil. By neglect of R., soils in Sicily, Asia Min., Spain, &c., once prodctve., are now barrn.

Rotatoria, *v.* Rotifera.

Rotche = Little Auk, *v.* Auk.

Rothe, Richd., Prot. †, * 28/1 1799 Posen; prof. at Heidelberg, † 20/8 1867. ⚒.

Rotherham, ⊙ of Yorks., W. Riding; 35,000 inh.; coal & iron ⚒; division returns 1 M.P.

Rotherham, Thos., † & statesman, * 1423; bp. of Rochester, of Lincoln, Ld. Chancelr., archbp. of York, † 1500.

Rothesay, chf. ⊙ of co. Bute; 9,000 inh.; castle founded 1098.

Rothschild, family of Jewish financiers: 1] Meyer Anselm, * 1743 Frankfort-on-M.; founded business 72, extended it to London, Vienna, Paris, Naples, &c., † 19/9 1812. 2] His 2nd son, Nathan M., * 1777; to Lond. 1800, bar. of Austr. Emp. 22, † 36. 3] Lionel N. de, eld. s. of 2, * 22/11 1808; M.P. for City of London 47, but refused oath & did not sit till 58, lent Brit. Govt. £4,000,000 for purchase of Suez shares 76, † 3/6 79. 4] Nath. M. de, Ld., eldest s. of 3, * 8/11 1840 London; M.P. 65–85, peer 85. 5] Ferd. Jas. de, baron, 2nd son of Baron A. de R., * 19/12 1839 Paris; M.P. 85.

Rotifera, or Rotatoria, zool., wheel-animalcules; minute aquat. anims. crowned at anterior extremity w. rows of vibratile hair-like appendages (*cilia*) which in motion resemble a revolving wheel; most species free-swimming, but some attached to vegetation, &c.

Rotrou, Jean de, French ✆ ⚒, * 1609 Dreux, † 50.

Rotteck, Karl v., Germ. ♛ & polit. ⚒, * 18/7 1775 Freiburg; prof. there 98, † 26/9 1840.

Rotten Boroughs, Eng. boro.s wh., bef. Reform Act of 1832, retd. M.P.s although they contd. only a handful of electors. Old Sarum did not contain a single inh.

Rottenstone, a loose rock used for polishing; alumina 86, carbon 10, silica 4.

Rotterdam, ⚓ ⊙ of Netherlds., on branch of ⚓ Meuse, 20 m. from mouth; 160,000 inh.; export trade.

Rotumah, sm. isld. in S. Pacific, annexed to Fiji 1881.

Roubaix, ⊙ of Nord departmt., Fr.; 92,000 inh. ⚒.

Roubiliac, Louis F., Fr. ⚒, * 1695 Lyons; to London 1720, † there 62.

Rouble, Russ. silver coin = 100 copecks = 3s. 2d. Paper R. much depreciated.

Rouelle, Guill. Franç., Fr. ♃ at Paris, * 1703, † 70. ⚒.

Rouen, anctly. Rotomagus, chf. ⊙ of Seine-Inférieure deptmt., Fr., 40 m. fr. mouth of ⚓ Seine; 110,000 inh.; cotton manufactures; 11th century cathed.; church of St. Ouen, 14th cent., &c.; statue of Joan of Arc; archbpric.; residence of dukes of Normandy till 1066.

Rouge, cosmetic prepared from flowers of *carthamius tinctorius.*

Rouge Croix and **R. Dragon,** *v.* Heralds' College.

Rouge et Noir, Fr. = red & black; game of cards played agst. a "banker" at a table marked with red & black spots, the money being staked on R. or N.

Rouget de Lisle, *v.* Lisle 1.

Rouher, Eug., Fr. statesm., * 30/11 1814 Riom, Auvergne; Premier 49 until *coup d'état* 51, Vice-Presdt. of Council of State 52, Min. of Commerce, &c., 56, negotiated Cobden Treaty 60, Min. of State 63, Presdt. of Senate, to Eng. 70, member of General Assembly 71, † 3/2 84.

Roulette, game of chance played on a revolvg. disc, setting in motion a ball that stops in one of many red & black spaces.

Roumania, kingdom of E. Eur.; 46,314 s.m., 5,380,000 inh. (chiefly

of Greek Ch.). *Products:* cereals, vines, fruits; cattle, sheep, & horse-breeding. Rlys. 1,250 m., telegs. 3,600 m. Army: peace 18,500, war 158,000. Revenue & expend. *ca.* £5,500,000 each; debt £29,500,000. Imports from U. K. *ca.* £1,000,000, exports to U. K. (chiefly corn) *ca.* £2,500,000; totl. impts. £10,750,000, expts. £9,920,000. Cap. ⊙, Bucharest. ♛: Moldavia & Wallachia (Turk. provs.) under Russ. protect. united 1858; an indept. State 10/5 77, when the Dobrudscha was added, & a part of Bessarabia restored to Russ.; a kingdom 26/3 81. First king, Charles of Hohenzollern, *v.* Charles 30.

Roumelia, prov. of Eur. Turk.; 20,000 s.m., 1,350,000 inh. *v.* E. Roumelia.

Round, ♫, piece in wh. several voices, starting one after the other, sing each the same notes, harmony issuing from the combination.

Round Robin, petition or protest in wh. signatures are arranged in a circle, so that no name comes first.

Round Table, Brit. myth., T. round wh. k. Arthur & his knts. sat.

Round Towers, tall slender T.s in Ireld. (with 2 in Scotld.), 80–130 ft. high, 20–30 ft. in diam., blt. between 9th & 12th cents., perhaps for defence.

Roundel, or Roundle, heraldry, a circular charge or sub-ordinary.

Roundelay, kind of anct. poem of 13 verses, 8 in one kind of rhyme, 5 in another.

Roundheads, Eng. ♛, Cavalier term 1644–49 for Puritans, who cut their hair short.

Rousseau, 1] Jean Jacq., Fr. social & misc. ✓, * 28/6 1712 Geneva; to Savoy 27, to Paris 45, formd. connection w. Thérèse Levasseur (servant-girl) 48, m. her 68, to Eng. w. Hume 76, back to Paris 67, † 2/7 78 Ermenonville; buried in Panthéon 98. "Julie, ou La Nouvelle Héloïse" 59, "Émile" 62, "Contrat Social," "Confessions," &c. 2] Théod., Fr. landscp. ●, * 15/4 1812 Paris, † 22/12 67. 3] Jean B., Fr. ✓, * 10/4 1670 Paris, † 17/8 1741.

Routh, Martin J., Ψ & †, * 1755, † 1854. ✓ "Reliquiæ Sacræ."

Rove Beetles, or Cock-tails, entom., gen. *staphylinus.*

Row, 1] John, Scot. † & eccles. ♛, * 1568, † 1646. 2] John, Scot. Hebraist, * 1596, † 1672.

Rowan Tree, or Mountain Ash, *pyrus aucuparia;* Eur. & Siberia.

Rowe, 1] Nicholas, poet. & ✆ ✓, * 1673 Little Barford; Poet-Laureate 1715, † 18 London, buried Westm. Abbey. *Tamerlane* 02, *Fair Penitent* 03, *Jane Shore* 14, *Lady Jane Grey* 15, &c. 2] John, Nonconformist †, † 1677. ✓. 3] Elizabeth (Mrs.), misc. ✓, * 1674, † 1737. 4] Thos., misc. ✓, husb. of 3, * 1687, † 1715. 5] Thos., Nonconf. †, † 1698. ✓.

Rowlands, Saml., poet. & misc. ✓, * 1570, † 1625.

Rowlandson, Thos., ● & caricaturist, * 1756 London, † 1827.

Rowley, Wm., ✆ ✓, contemp. with Shakespeare, * *ca.* 1580.

Rowton, Montagu W. L. Corry, Ld., polit., * 8/10 1838 London; priv. sec. to Disraeli 66–81, cr. peer 80.

Roxburgh, a S.E. Scot. co., seprd. fr. Northumb. by Cheviots; 670 s.m., 60,000 inh.; ✓; rets. 1 M.P. Chief ⊙, Jedburgh.

Roxburgh, style of bookbindg.: plain leather (generally morocco) back, with gold lettering high up, plain cloth or marbled paper sides, top of book gilt-edged, fore-edge & tail left white & trimmed, not cut; named after 3rd Duke of R. because 1st employed in his library.

Roy, 1] Pierre Chas., Fr. satirist & ✆ ✓, * 1683 Paris, † 1764. 2] Wm., Brit. offr. & ✕ Ψ, † 1790. 3] Rammohun, *v.* Rammohun Roy.

Royal Academy, fnded. 10/12 1768; 1st exhib. 1780 Somerset Ho., removed to National Gall. 1834, to Burlington Ho. 69; consists of 42

R. Academicians (R.A.s), at least 20 Associates (A.R.A.s), & 2 Associate Engravers. 1st presdt., Sir J. Reynolds.

Royal Academy of Music, estabd. 1823, incorporated 30.

Royal Astronomical Society, fnded. 1820, incorporated 31.

Royal Dublin Society, scient. body fnded. 1731, incorporated 49.

Royal Fern, ♨, gen. *osmunda*, esp. *O. regalis*.

Royal Institute of Painters in Water Colours, founded 1883; first presdt., Sir J. D. Linton.

Royal Institution, for diffusg. scientific knowledge, espec. of a practical kind; fnded. 9/3 1799 by Rumford, &c., incorpd. 13/1 1800.

Royal Society, scientif. body fnded. 1660, incorp. 62; 15 Fellows (F.R.S.s) elected annually, total *ca.* 500. Linnæan Soc. branched off 1788, Geological Soc. 1807, Royal Astron. Soc. 1820. R. S. of Edinburgh incorporated 1783; R. S. of Literature fnded. 1823, incorpd. 26; R. S. of Painters in Water Colours founded 1804.

Royer-Collard, Pierre P., Fr. ♟ & statesm., * 1763, † 1845.

Roze, Marie, Fr. ♡ singer, * 2/3 1850 Paris; 1st appeared on stage 67 Paris, in London 72; m. Col. Mapleson 77, to U.S.A. 77–9.

Rozier, Franç., Fr. ♨ & ✓ /, * 1734 Lyons, slain in siege there 93.

Rubble-work, △, masonry in which stones are used in the rough, without being dressed to size.

Rubens, Peter Paul, Flemish port., ♛, & † ☻, * 29/6 1577 Siegen, Westphalia; to Antwerp 1609, on polit. mission to Eng. 29, kntd. by Chas. I., † 3/5 40 Antwerp.

Rubens' Brown, pigment used in ☻; warmer in hue than Vandyke B.

Rubiaceæ, ♨, ord. of plants wh. includs. coffee-plant, cinchona, madder, &c.

Rubicon, anct. ⊙, small ⚊ of Ital., the crossing of wh. by Cæsar to attack Pompey was itself a declaration of war; hence "to cross the R."= to take a decisive step. Supposed to be present R. Luso (?).

Rubidium, ♃, rare metallic elemt., potassium group, discovd. by Bunsen 1860; at. wt. 85·4, sp. gr. 1·52; symb., Rb; fnd. in ♁s, ♁ waters, &c.

Rubinstein, Anton, Russo-Jew. pian. & ♅ composer, * 30/11 1830 Wechwotynetz; 1st perfrmnce. 38, studied und. Liszt 39, 8th visit to Eng. 86. Chamber-♅, symphonies, operas, oratorios.

Rubrica, †, directions for conduct of service in prayer-books, &c.; formerly printed in red.

Rubus, ♨, gen. of prickly shrubs; *ca.* 100 specs., chfly. in N. temp. zone; 4 Brit. specs., includg. *R. idæus*, raspberry; *R. chamæmorus*, mountain raspberry or cloudberry; & *R. fruticosus*, common bramble.

Ruby, ♦, deep red var. of adamantine spar (*q.v.*); very valuable.

Ruby-Tiger, entom., beautiful Brit. moth, *phragmatobia fuliginosa*.

Rucellai, 1] Bernardo, Ital. ♛ /, * 1449 Florence, † 1514. 2] His s., Giov., ♡ & misc. /, * 1475 Florence, † 1525.

Rückert, 1] Fried., Germ. lyr. / & orientalist, * 16/5 1788 Schweinfurt; orient. prof. at Berlin 1841, † 31/1 66. 2] His son, Hein., ♛ /, * 14/2 1823 Coburg; prof. at Breslau, † 11/9 75.

Rudbeck, Olaf, Swed. physiol., ♨, &c., * 1630; prof. at Upsala, discovd. lymphatic vessels, † 1702. /.

Rudd, Red-eye, ichth., *leuciscus erythrophthalmus*, fresh-watr. spec. of carp family.

Ruddiman, Thos., Scot. grammarian & printer, * 1674 Raggel, † 1757 Edinburgh.

Rüdiger, F. V., count, Russ. ✕, * 1790; genl. 1828, † 22/6 55.

Rudimentary Organs, biology, O.s in both anims. & plants which do not attain full development (*e.g.*, the mammæ of males among mammalia), or wh. occur in the embryo

& not in the adult (*e.g.*, teeth in fœtal whales).

Rudolf, 1] I., * 1/5 1218; son of Albrecht of Hapsburg; count of Haps. 40, Germ. k. 76, k. of Austr. 82, † 15/7 91 Germersheim. **2]** II., * 18/7 1552, s. of Max. II.; king of Hungary 72, of Bohemia 75, Germ. Emperor 76, † 20/1 1612. **3]** Crown Prince of Austr.-Hung., * 21/8 1858; m. 10/5 81 Stéphanie of Belg. (* 21/5 64); Austr. field-marshal 80. ✓.

Rudra, Hindu myth., father of tempest-gods.

Rue, ♃, gen. *ruta*, esp. *R. graveolens*, nat. of S. Eur., wh. yields R.-oil.

Rue, Chas. de la, Fr. poet. ✓ & †, * 1643 Paris, † 1725.

Rueda, Lope de, Span. com. ✆ ✓, * Seville, † 1567 Cordova.

Ruff, ornith., male of *machetes pugnax* (female called reeve), spec. of sandpiper; spring & summer visitor to Britain.

Ruffe, or Pope, ichth., *acerina cernua*, ⅄s of Eur.; resemb. perch.

Rufinus, †, a Lat. Fath., * 345, † 410; opponent of Jerome.

Rufus, Wm., *v.* William 2.

Rugby, ⊙ of Warwicksh., on ⅄ Avon; 10,000 inh.; division rets. 1 M.P. R. School founded 1567 by Lawrence Sheriff, Lond. tradesman.

Ruge, Arnold, Germ. ✓ & revol. polit., * 13/9 1802 Bergen; fled to Eng., † 31/12 80 Brighton.

Rügen, isld. in Baltic; 360 s.m., 45,000 inh. Chf. ⊙, Bergen; 3,500 inh. Bought from Denmark by Prussia 1815.

Rugendas, Geo. P., ● & engraver, * 1666 Augsburg, † 1742.

Ruhmkorff, Hein. D., German electrician, * 1803 Hanover; to Paris 19, invtd. "R. coil" 51, † 20/12 77 Paris.

Ruhs, Frederick, Germ. ♛ of Sweden, * 1780 Swed. = Pomerania; prof. at Griefswald & Berlin, † 1820 Leghorn.

Ruinart, Thierry, Fr. †, * 1657 Rheims, † 1709.

Rule of Three, *v.* Proportion.

Rum, 1] isld. of Inner Hebrides, part of Argylesh.; 30,000 acres. **2]** Spirit distilld. in W. Inds. fr. molasses; fr. 40 to 50 °/₀ of alcohol.

Rumex, ♃, gen. of herbs wh. includes dock & sorrel; *ca.* 50 species.

Rumford, Benj. T., ⚗ & scient. & misc. ✓, * 26/3 1753 Woburn, Mass.; Col. Und. Sec. in Eng. 80, entered Bavar. service 84, War Min. & count of Holy Rom. Emp., instituted "R. medal" of Roy. Soc. of London 97, to Paris 1802, † 21/8 14 Auteuil.

Ruminantia, zool., section of ord. *ungulata*, incldg. oxen, sheep, goats, camels, giraffes, deer, & all cud-chewers; stomach genlly. in 4 compartmts., in 2 of which food is macerated before being returned to mouth in pellets.

Rump Parliament, Eng. ♛, the fag-end of the Long P., after Pride's Purge.

Runeberg, J. L., Swed. poet. ✓, * 5/2 1804 Finland; class. prof. at Borga 37, † 6/5 77.

Runes, letters of earliest Teutonic & Goth. alph., used up to 11th cent.; usually found on stones, also on divining-wands.

Runjeet Singh, maharajah of Panjab, * 1780; succ. his fath. 92, poisnd. his moth., overcame rival Sirdars, conqd. Attock 1813, Multan 18, Cashmere 19, annex. Peshawur 29, † 39.

Rupee, Ind. silv. coin = 16 annas = 64 paisas = 192 pies: nominal value 2s., but really depends upon value of silver; legal wt. 180 grs.

Rupert, Prince Robt., of Bavaria, ⚔ & ⚓ offr., & ⚗, * 1619 Prague; s. of Fredk. V., Elector Palatine, & Elizabeth, eldest dau. of Jas. I. of Eng.; fght. in Eng. Civ. War, govr. of Windsor after Restoration, † 82.

Rupert's Drop, R.'s Ball, pear-shaped globule of chilled glass, w. long thin tail, which is broken, when the glob. goes into small

fragments. First brought to Eng. by Prince R.

Rupert's Land, the basin of Hudson's Bay & Strait, now part of N. W. Territories, Canada; named after Prince R.; bpric. of R.L. 1849.

Rural Dean, v. Dean.

Rurik, Scand. warrior & fndr. of Russ. monarchy; took Novgorod 862, † 79; dyn. ended with Czar Feodor 1598.

Rusa, zool., gen. of large deer, E. Inds.; inclds. *R. aristotelis*, the sambur.

Rush, ✱, pop. name for gen. *juncus; ca.* 100 specs.; temp. & Arctic regions.

Rushworth, John, sec. to Cromwell & ♛ ✓, * *1607*, † 90.

Ruskin, John, art & misc. ✓, * 8/2 1819 London; educated Oxford, Newdigate prize poem 39, Rede lect. Camb. 67, Slade prof. Oxfd. 70–8, 83–5, endowed school of drawg. Oxfd. & fnded. Guild of St. George 71; "Modern Painters" (begun in defence of Turner) 43–60, "Seven Lamps of ▲" 49, "Stones of Venice" 51–3, "Sheep-folds" 51, "Lects. on ▲ & ●" 54, "Giotto & his Works" 55, "Turner Collection" 57, "Ethics of the Dust" & "Sesame & Lilies" 65, "Lects. on Art" 70, "Fors Clavigera" 71, &c.; "Præterita," &c.

Russel, Alex., journlst. & misc. ✓, * 10/12 1814; editor *Scotsman* 47–76, † 18/7 76.

Russell, 1] Wm. Howard, spec. corresp. & misc. ✓, * 28/3 1821 Lilyvale, Dublin; jnd. *Times* staff 48, to Crimea 54–56, fnded. *Army & Navy Gazette* 60. 2] Chas., ✠ & polit., * 1838 Newry; Q.C. 72, M.P. 80, Attorney-Genl. 86. 3] John Scott, civ. ⊕ & ⚓ ▲, * 1808; fnded. Instit. of ⚓ ▲s, † 8/6 82. ✓. 4] Wm., Scot. ♛ & misc. ✓, * 1746, † 94. "Mod. Europe" 79, "Anct. Eur." 93, &c. 5] Michael, †, ♛, & misc. ✓. * 1781, † 1848. 6] John Russell, earl, statesm. & ✓, * 18/3 1792 London; youngest s. of 6th dk. of Bedford; educ. Westminster & Edinb., M.P. for Tavistock 1813, Paymaster of Forces 30, carried Reform Bill 32, Home Sec. 35–39, leader of Ho. of Commons 35, Colon. Sec. 39–41, Premier 46–52, For. Sec. in Coalitn. Ministry 52, Colon. Sec. 55, For. Sec. 59, created earl 61, Prem. 65–6, † 28/5 78. ✓ "Lord Wm. R." 19, "Establishment of the Turks in Eur." 28, "Fr. Revol." 32, "Memoirs of Thomas Moore" 52–6, "Fox" 59, "For. Pol. of Eng. 1570–1870" 71, &c. 7] Odo W. L., Ld. Ampthill, neph. of 6, diplom., * 20/2 1829 Florence; amb. at Berlin 57, created peer 81, † 25/8 84. 8] Lord Wm., Eng. statesm., * 29/9 1639; 3rd s. of 1st dk. of Bedford; exectd. 21/7 83 on unproved charge of complic. in Rye Ho. Plot; attainder annulled 89. Life by 6. 9] Edwd., E. of Orford, ⚓, * 1651; won ✕ La Hogue, † 1727. 10] John, † & statesm., bp. of Rochester & Lincoln, Chanc. under Edwd. V. & Richd. III., † 1494.

Russia, largest empire next to Brit., ⅙ territory of globe, more than ½ Europe & ⅓ Asia; in Europe 2,081,022 s.m., 88,000,000 inh.; in Asia 6,376,277 s.m., 17,000,000 inh.; total 8,457,289 s.m., 105,000,000 inh.; divd. into 82 Eur. & 18 Asiat. govts., subdivd. into communes w. local administr. powers. ⚓s: Petchora, Niemen, Vistula, Pruth, Obi, Yenisei, Lena, Amur, Volga, Ural, Dneiper, Dneister, Don, Dwina, Duna, Neva, Donetz. ▲s: Ural, Caucasus, Altai, Valdai. Much barren land; 460,000,000 acres of forest; fertile plain betw. Baltic & Black Seas: cereals, hemp, flax, potatoes, tobacco; gold, silver, platinum, & other metals in Ural & Altai ▲s; naphtha springs on Caspian ▲s; coal in basin of ⚓ Donetz. Imprts. from U. Kingdom *ca.* £6,500,000, exports to U. K. *ca.* £13,500,000; total imports £42,000,000, exports £78,000,000. Revenue £139,000,000, debt £748,000,000; rlys. 18,500 m., telegs. 83,000 miles. Peace army

ca. 800,000, war 2,200,000; navy, 38 ironclads (of wh. half obsolete), 160 torpedo-boats, & about 190 steamers. *Univs.:* St. Petersburg, Moscow, Kharkov, Kasan, Kieff, Dorpat, Odessa, Wilna, Warsaw. *Pop.:* Russ., Poles, Lithuanians, Germans, Swedes, Persians, Armenians, Jews, Caucasians, Finns, Turks, Tartars, & Mongols. †: Russo-Greek Church. Cap. ⊙, St. Petersburg; former cap., Moscow. ♛: Varangians und. Rurik settled nr. Lk. Ladoga 862 & fnded. emp.; Christianity introd. by Vladimir († 1015); whole of country united under Yaroslaf 1035, broken up at his death till 15th cent.; plague 1230; subject to Tartars 1237–1470, indep. achieved by Ivan III.; another Tartar invasn. 1521; empire extended by Ivan IV. († 84); conquest of Siberia begun 68; Rurik's dyn. ended 98, anarchy till 1613, then present Romanoff dyn. suc. in Michael Feodorovich; territory enlarged by Peter the Grt. & civilisation promoted 1696–1725; war w. Turk. 1768–74, wh. opnd. Black Sea to R.; Crimea annxd. 83; prts. of Poland taken 72, 93, 95; war w. Turk. 87–92, with Swed. 88–90; Courland annexed 95; Paul I. assassinated 24/3 1801; his son Alex. I. joined alliance against Nap. 05; Finland, Moldavia, & Wallachia, w. Bessarabia, annexed 08; French invasion 12–13; Nich. I. suc. 22; Crim. war 53–6; Alex. II. suc. 55 (assassd. 13/3 81); Poland incorptd. 68; serfs emancipated; Samarkand conqrd. 68; Black Sea clauses of Treaty of Paris abrogated 13/3 71; Khiva occupied 73; Russo-Turk. war 77–8, Kars & Bessarabia annxd. Present czar, Alex. III.; govt. an autoc.; State Counc. nomin. by czar.

Russia Leather, L. orig. made in R., but now in Paris, fr. skins of goats & sheep.; either black or red; odr. due to oil of birch used in prep.

Russian Language, branch of Slavic. Chief writers since 1700: Cantemir, Frediakowski, Lomonosof, Cheraskof, Karamsin, Dershavin, Lermontoff, Puschkin, Gogol, Gontscharof, Turgenief, Tolstoi.

Rust, 1] hydrated peroxide of iron. 2] ✱, rusty-colrd. mildew of some cereals, caused by fungi of the *puccinia* & *uredo* genera.

Rust, Geo., †, bp. of Dromore, † 1670. ✓.

Rustchuk, ⊙ of Bulgaria, on ⚓ Danube; 27,000 inh.

Rustem, oriental myth., hero who slew the white dragon Asdeev.

Rutaceæ, ✱, rue-worts; ord. wh. incld. rue, dittany, &c.; 47 genera, 400 specs.

Ruth, idyll. book of O. Test., ✓ not earlier than time of David, probably much later.

Ruthenians, †, Russ. Christns. who use the Grk. liturgy, translated into Old Sclavonic, but profess obedience to Pope; descendants of converts from Russ. Church.

Ruthenium, ⚗, rare metallic elemt in platinum ores, discovrd. by Claus 1843; atom. weight 104, density 11 to 11·4.

Rutherford, Saml., Presby. †, * 1600, † 61. ✓ "Religious Letters," &c.

Rutherfordite, ♦, black.-brwn. ♦, fnd. in crystals & grains; hardness 5·5, sp. gr. 5·58–5·69; opaque, with conchoidal fracture; contains 58·5 % titanic acid & 10 ° of lime.

Rutile, an ore of titanium.

Rutland, smallest Eng. co.; 148 s.m., 22,000 inh.; rets. 1 M.P.; pasture. Chief ⊙, Oakham.

Ruvigny, Henri, marq. de, * 1648; fled to Eng. on revocation of Edict of Nantes 1685, served as ✱ in Ireland, created Earl of Galway, Brit. comdr.-in-chf. in Piedmont, in Spain, Ld. Justice of Irld., † 1721.

Ruyter, Michel A. de, Dutch adml., * 1607 Flushing; rear-admrl. 41, deftd. Ayscough off Plymouth 52, deftd. by Blake 53, deftd. Pr. Rupert & Albemarle in Downs 66, sailed up the Thames & took Sheerness 67, † 29/4 76 Syracuse from wound received in ✱ Messina.

Rydberg, A. V., Swed. poet. & misc. ✓, * 18/12 1829 Jonkoping; member of Swed. Acad. 77.

Rye, 1] ⊙ of Sussex, on ⅄ Rother; 1 of Cinque Ports, now 2 m. fr. sea; 9,000 inh.; divisn. rets. 1 M.P. 2] ⚘, *secale cereale*, formerly cultivtd. in Eng. for bread; never found wild.

Rye-grass, ⚘, gen. *lolium*, esp. *L. perenne* & *L. italica*.

Rye-House Plot, Eng. ♆, real or fict. P. for assassinatg. Chas. II. & dk. of York while passg. R.-Ho., near Broxbourne, Herts, 1683.

Ryle, John Chas., †, * 1816 nr. Macclesfield; hon. can. of Norwich 71, dn. of Salisbury 80, bp. of Liverpool 80. ✓.

Rymer, Thos., Eng. ♆ & royal ♆ographer, * 1638, † 1731. ✓ 15 vols. of "Fœdera."

Ryot, Hindu peasant who holds land und. ryotwar system, by wh. Govt. enters into direct relations w. cultivator, instead of through middlemen or village communities.

Ryshraek, J. M., ♘ in Eng., * 1694 Antwerp, † 1770.

Ryswick, village of S. Holland, near The Hague; treaty 20/9 1697, endg. war against France by Brit., Holl., Spain, Germ. Emp., & Savoy.

S.

S, 19th letter of alph., consonant. S. = South; S. = Society; S. = St.; SS. = Saints. S. = section. S̄ = 7; S̄ = 7,000. ♃, S = Sulphur. S. = Lat. *solidus* = shilling.

Saad-ed-Deen, Mohammed, Turk. ♆ ✓, * ca. 1536, † 99.

Saadi, Persian poet. ✓, 13th century. "Gulistan" & "Bostan."

Saar, Ferd. v., Austrian poet., ✆, & rom. ✓, * 30/9 1833 Vienna.

Saarbrücken, ⊙ of Rhenish Prussia, on left bank of ⅄ Saar, 18 m. S.E. of Luxembourg; ca. 10,000 inh. ⚔ 2/8 1870; ⊙ then occupied by Fr., re-taken by Prussians four days later.

Saavedra, 1] Angelo de, duke of Rivas, Span. statesm. & poet. ✓, * 1791 Cordova, † 1865 Madrid. 2] *v.* Cervantes.

Sabadilla, Cevadilla, ⚘, *asagraya officinalis*, plant of ord. *melonthaceæ*, Mexico & Caraccas; seeds yield an alkaloid poison (veratria or veratrine) allied to strychnine.

Sabbatical Year, among anct. Jews every 7th year, when fields were left untilled & no debts collected.

Sabbatini, Andrea, Ital. ⚉, * 1480, † 1545.

Sabeism, Sabæism, *v.* Sabianism.

Sabellianism, †, doctrine of Sabellius, who denied any distinctn. between persons of Trinity.

Sabellius, †, Afr. presbyter of 3rd cent., founder of Sabellianism.

Sabianism, Syrian religion wh. recognised the Divine unity, but worshipped intelligences supposed to reside in stars.

Sabine, Edwd., meteorol., ⅄, & ⚔, * 14/10 1788 Dublin; col. 51, lieut.-genl. 59, genl. 74, ⅄ of N.W. Passage expeditions 1818, 19, made pendulum & magnetic experiments, presdt. of Brit. Assocn. 53, of Roy. Society 61–79, † 26/6 83.

Sabines, Rape of the, Roman myth., carrying off of Latin & Sabine virgins by Roman youths at festival soon aft. Rome was founded.

Sable, zool., *mustela zibellina*, most valuable of fur-producing animals; N. Asia; ca. 18 in. long, exclusive of tail; brown; lustrous fur; a skin of best quality worth £15.

Sable Island, in Atlantic, 90 m. E. of Nova Scotia, 25 m. long, greatest breadth 3 m.; scene of many wrecks. Cape Sable most S.E. point of N. Scotia.

Saccharic Acid, ♃, organic A. formed by action of dilute nitric A. on sugar.

Saccharometer, ⚉, a polariscope wh. determines strength of sugar solutions by measuring angle through wh. they rotate a ray of polarised light.

Sacchini, Anton M., Ital. ♪, * 23/7 1734 Pozzuoli, † 7/10 86 Paris.

Sacharissa, heroine of Waller's love-poetry = Lady Dorothea Sidney, dau. of earl of Leicester; m. earl of Sunderland 1639.

Sacher-Masoch, Leop. v., Germ. nov. & ✆ /, * 27/1 1836 Lemberg.

Sacheverell, Henry, †, * 1672 Marlboro'; impeached & suspend. for 3 years for libelling Whig Govt. 1709, presented by Q. Anne with living of St. Andrew's, Holborn, † 24 London.

Sachs, Hans, Germ. shoemaker-poet & ✆ /, * 5/11 1494 Nuremberg, † there 25/1 1576. "Merry Tales," &c.; popularised Reform doctrine.

Sack, old name for several dry wines, esp. those from Spain (Fr. *sec* = dry).

Sackbut, ♪, Babylonian instr., prob. a kind of harp. Old Eng. S. (sagbut) was a bass trumpet, like trombone.

Sackville, 1] Thos., 1st earl of Dorset, poet. /, * 1536 Buckhurst, † 19/4 1608 Whitehall. 2] Chas., 8th earl of Dorset, poet. /, * 1637, † 29/1 1705 Bath. 3] George, 1st viscount, Brit. ⚔ & statesm., * 1716; dismissed from army for miscond. at ⚔ of Minden, Colon. Sec. during American War of Independence, † 85.

Sacramentarians, †, 10th century Germ. reformers who opposed Lutheran doctr. of consubstantiation, regarding the bread & wine as emblems only.

Sacramento, cap. ⊙ California, U.S.A., on left bank of S. ⚓; *ca.* 25,000 inh.; fruit culture.

Sacraments, Protestant †, 2: Baptism & Lord's Supper. Rom. Cath. †, 7: Baptism, Confirmation, Eucharist, Penance, Ordination, Marriage, Extreme Unction.

Sacred Heart, Rom. Cath. †, bodily H. of Christ, object of a special devotion, fnded. in 17th cent. by Margaret M. Alacoque, French nun. 1st preached in Eng. by Fath. de la Colombière, S.J., chaplain to Mary of Modena.

Sacrilege, ⚒, breaking into a place of worship & stealing therefrom; until 1835 a capital offence, now punished as burglary.

Sacrum, or Os S. (Lat. = sacred bone), anat., bone consisting of 2 or more united vertebræ, wh., with the haunch-bones, form pelvis; formerly offered in sacrifice.

Sacy, Ant. I. S., baron de, orientalist, * 21/9 1758 Paris, † 21/2 1838. / "Grammaire Arabe" 10–31, &c.

Sadakata, Japan. carver, 18th cent.

Sadducees, †, Jew. sect which rejectd. the oral law & denied resurrection; fnded. by Sadok, either a disciple of Antigonus of Soko (200–170 B.C.) or a priest *temp.* Solomon; exists under name of Karaites.

Sadi, Saadi (*q.v.*).

Sadler, 1] Michael Thos., philan. & polit. econ., * 1780, † 1835. / "Ireland" 28, "Law of Populatn." 30, &c. 2] Anthony, † & poet. /, *temp.* Chas. II. 3] John, ♛ /, * 1615, † 74. "Customs of Our Ancestors" 49.

Sadlerian Lectures, L.s in algebra at Camb.; fnded. 1710 by Lady Sadler.

Sadok, Jew. ♗ of 3rd cent. B.C.; reputed founder of Sadducees.

Sadowa, ⊙ of Bohemia; ⚔ 3/8 1866.

Safety Lamp, ⚒, L. used in mines where fire-damp prevails. Commonest form, Sir H. Davy's, invtd. 1816; flame kept in by cylinder of wire-gauze, w. apertures not more than $\frac{1}{16}$ in. sqr. Stephenson's, invtd. same week, is simlr., havg. glass chimney, top covrd. w. wire-gauze. Both give feeble light, & neither is safe. A better S. L. is the Muesler, named aft. invtr., & much used in Belgium.

Safety Valve, ⊕, V. in steam-engine wh. opens automat. to allow steam to escape, or air to enter boiler: 2 kinds, 1 opening to inner side when pressure of steam is less

than a given wt., other opening to outside when pressure exceeds given weight.

Safflower, ♃, *carthamus tinctorius;* Ind. plant w. flowers that yield carmathine, red dye used in dyeing silk & cotton.

Saffron, *v.* Crocus.

Safvet Pasha, Turk. statesm., * 1815 Constantinople; amb. to Paris, Presdt. of Council of State 59, Min. of Commerce 61, of Pub. Instructn. 68, For. Min. 75, Grand Vizier & negot. Treaty of San Stefano 78, † 16/11 83.

Sagar, or Sangor, distr. of Cent. Provs., Brit. India; 4,005 s.m., 570,000 inh. Cap. ⊙, S.; 50,000 inh.

Sagas, anct. Scandinav. legends & ♨s, compiled 12th to 15th centuries. Many collected in Sturleson's Heimskringla.

Sagasta, Praxedes Mates, Span. statesm., * 21/7 1827 Torrecilla de Cameros; fled to Fr. 56 & 66, Min. of Inter. 68, of State 70, For. Min. 74, Liberal leader 80, Prime Min. 81–3, 85, 87.

Sage, ♃, genus *salvia*, esp. *S. officinalis & S. grandiflora;* former com. garden S., nat. of S. Europe, introd. into England 1597.

Sage, 1] *v.* Le Sage. **2]** John, Scot. Episcopal †, * 1652, † 1711. ✓.

Saghalien, Sakhalin, ▲ous Russn. isld. off coast of Siberia & Chinese prov. of Manchuria; 590 m. long, greatest brdth. 120 m., *ca.* 16,000 inh.; coal, timber, furs. Till 1875 a part belonged to Japan.

Sagitta, Lat = Arrow. ✶, constellation of N. celestial hemisph., above ecliptic, betwn. Cygnus & Aquila; 4 stars of 3rd magnitude.

Sagittarius, Lat. = Archer. ♐, zodiacal constellation betwn. Scorpio & Capricornus; 69 stars; 5 of 3rd magnitude, 9 of 4th.

Sago, food-stuff prepared fr. pith of many palm-trees, espec. *sagus rumphii & S. laevis;* Malay Archipelago. Pith is pounded in water till starch separates, then washed & becomes soft meal, wh. is shaken till granulated. One tree yields 600 or 800 lbs. Obtained also from *caryota urens, phœnix farinifera, corypha gebanga,* & some cycads.

Saguntum, anct. ⊙ of Spain, nr. Meditt. shore, besieged & taken by Hannibal 219 B.C., afterwds. recovered by Roms.; now Murviedro; *ca.* 5,000 inh.; Roman remains.

Sahara, tract of Africa fr. Atlantic to ⅄ Nile, & fr. Atlas ▲s to borders of Soudan; consists of sandy desert (in W.) & plateaus. Large caravan trade across S. between Morocco & Tripoli & Soudan; fr. 3 to 4 million inh., nomad. & pastoral; chf. ⊕ product, salt.

Saharanpur, district of N.W. Provs., Brit. India; 2,215 s.m., 900,000 inh. Chf. ⊙, S.; 50,000 inh.

Sahib, Arab. = lord, master; term used by Hindoos & Persians in addressing Europeans; feminine form, Sahibah.

Said Pasha, Viceroy of Egypt, * 1822; 4th s. of Mohammed Ali; succ. Abbas Pasha 54, † 18/1 63.

Saida, anct. ⊖, Sidon.

Saigon, or Looknoi, cap. ⊙ of Fr. Cochin-China, *ca.* 35 m. from mouth of ⅄ S.; *ca.* 70,000 inh.

Sainfoin, ♃, genus *onobrychis*, order *leguminosæ*, esp. *O. sativa*, common S., only British species.

Saint, *v.* Canonisation.

St. Albans, *v.* Albans, St.

St. Andrews, ⊙ of Fife co., on St. A.'s Bay; 6,500 inh.; unites w. other burghs to ret. 1 M.P.; univ. founded 1411.

St. Antony's Fire, *v.* Antony 1.

Saint-Arnaud, Jac. le Roy de, Fr. marshal, * 20/8 1796 Bordeaux col. 1844, genl. 51, War Min. 51 concerted *coup d'état*, comdr.-in chf. in Crimea 54, † 20/9 54.

St. Asaph, ⊙ of Flintsh.; 2,000 inh.; bpric. fnded. 560; univ. built 13th cent., restrd. by G. Scott 1875.

St. Barthélemy, island of Fr. Antilles; 2,900 inh.

St. Bartholomew's Day, *v.* Bartholomew & Bartholomew's Day.

Saint Brieux, *v.* Brieuc.

Saint Christopher's, St. Kitts, one of Leeward Islands, 46m. W. of Antigua; 68 s.m., 30,000 inh.; sugar, rum, molasses. Governmt. includes Anguilla, or Little Snake, sm. island 60 m. to N.E.; 3,000 inh.

St. Cloud, ⊙ of Fr., on banks of ⚓ Seine, 5 m. W. of Paris; 5,000 inh.; Mazarin's Palace destroyed 13/10 1870 during siege of Paris.

St. Cuthbert's Duck, Eider-duck.

Saint-Cyr, Louis Gouvion, Fr. marsh., * 16/4 1764 Toul, † 17/3 1830 Paris. ⚔ /.

St. Cyr, Fr. villg. nr. Versailles; royal abbey now ⚔ school.

St. David's, ⊙ of Pembrokesh., on N. side of St. Bride's Bay; *ca.* 2,000 inh.; bishopric. founded 519, cathedral built 12th century.

St. Denis, anct. ⊙ of Fr., Seine departmt., 6 m. N. of Paris; 30,000 inh.; abbey fnded. 676, many Fr. kings buried in it.

St. Domingo, repub. occupying anct. Span. part of San Domingo (*v.* Hayti); 20,596 s.m., 350,000 inh.; revenue £300,000. Cap. ⊙, San D.

St. Elmo's Light, electric flame wh. plays about masts of ships in storms.

St. Etienne, chief ⊙ of Loire department, Fr.; 130,000 inh.; ribbons & weapons.

St. Eustatius, small Dutch isld. in W. Indies; *ca.* 4,000 inh. (with Saba).

St. Evremond, Chas. M. de St. Denis, Seign. de, Fr. ⚔ & /, * 1613, † 1703.

St. Foix, Germain F. P. de, Fr. Ψ & misc. /, * 1698, † 1776.

St. Gall, Swiss canton, bordered by Tyrol & Liechtenstein; 780 s.m., 220,000 inh.; cattle-rearing. Chief ⊙, St. Gall; 17,000 inh.

St. Germain-en-Laye, ⊙ of Seine-et-Oise, Fr., 6 m. N. of Versailles; 17,000 inh. At the Château Jas. II. of Eng. lived aft. abdicatn.

St. Gothard, tract of Central Switz., 8,000–12,000 feet above sea. Tunnel, 9½ m. long, begun 1872, opened 82.

St. Helena, ⚓ous Brit. isld. of S. Atlantic, 1,150 m. fr. Afr. coast; 47 s.m., 5,000 inh.; chief ⊙, Jamestown. Occupied by Brit. 1815 as residence for Napol. I., who † there 5/5 21. Bpric. established 59.

St. Helen's, ⊙ of Lancs., on branch of ⚓ Mersey; *ca.* 55,000 inh.; plate-glass & ⚒ manufacs.; rets. 1 M.P.

St. Helier, chief ⊙ of Jersey; *ca.* 40,000 inh.

Saint-Hilaire, *v.* Barthélemy & Geoffroy St.-H.

St. Ives, ⊙ of Cornwall, on B. of St. I.; 7,000 inh.; pilchard & other fisheries; divsn. rets. 1 M.P.

St. John, 1] Spencer, diplom. & misc. /, * 22/12 1826 London; Min. to Peru & K.C.M.G. 81, Min. Plenipoten to Mexico 84. / "Life of Sir Jas. Brooke" 79, &c.
2] His fath., Jas. Aug., orientalist & misc. /, * 24/9 1801, † 22/9 75. 3] Bayle, s. of 2, misc. /, * 1822, † 1/8 59. 4] Horace R., s. of 2, misc. /, * 1832. 5] Percy Bolingbroke, s. of 2, / of adventure tales, * 1821. 6] Oliver, ⚒ & stateam., * 1598; defend. Hampden in ship-money case, Sol.-Genl. 1642, Chf. Just. of Com. Pleas 48, amb. to Holland, retired to Continent after Restoration, † 73. 7] *v.* Bolingbroke.

St. John, ⊙ of New Brunswick, Canada, at mouth of St. J.'s ⚓; *ca.* 28,000 inh.

St. John's, cap. ⊙ of Newfoundland; 28,000 inh.

St. John's Wort, ❀, pop. name for gen *hypericum*, esp. *H. perforatum*.

Saint-Just, Louis A. de, Fr. revol. polit., * 25/8 1767 Décize; / "L'Esprit de la Révolution" 91, memb. of National Convention 92, presdt. 94, † by guill. w. Robespierre 27/7 94.

St. Kilda, island, 3 × 2 m., 60 m. off N.W. coast of Scotland; gives name to group; total pop. *ca.* 60.

Saint-Lambert, Jean F., marq. de, Fr. fable & misc. ✓ & ⁂, * 1716 Lorraine, † 1803. "Life of Bolingbroke," &c.

St. Lawrence, ⚓ of Canada, rising in Lake Superior, but not called St. L. till it leaves Lake Ontario; receives Ottawa ⚓, falls into Gulf of St. L.; 750 m. fr. Ontario, 2,200 fr. Superior; 100 m. wide at mouth; spanned near Montreal by Robt. Stephenson's Victoria Tubular Bridge, more than 1½ m. long.

St. Leger, horse-race for 3-year-olds at Doncaster, instituted 1776 by Colonel St. Leger.

St. Leonards, Edward B Sugden, baron, * 1781 London; Sol.-Genl. 1829, Ld. Chanc. of Irlnd. 34, 41-6, of England 52, † 29/1 75. ✓ "Powers" 08, &c.

St. Louis, 1] cap. ⊙ of Missouri, U.S.A., on ⚓ Mississippi, 17 miles below its confluence with the Missouri; iron mnfs., ✓ & rlwy. centre; *ca.* 375,000 inh.; joined to East St. L., on opposite side of ⚓. **2]** Fr. ⊙ of Senegambia, on ⚓ Senegal & Atlantic; 15,000 inh. **3]** *v.* Louis.

St. Lucia, largest but one of Windward Islands, W. Indies; 248 s.m., 40,000 inh.; sugar. Acquired by Britain 1803.

St. Malo, ⊛ & ⚓ ⊙ of Ille-et-Vilaine, Fr., on sm. island *ca.* 40 m. N.W. of Rennes; 10,000 inh.; shipbuilding & fisheries.

St. Martin, 1] Ant. J., French orientalist, * 1791, † 1832. **2]** Louis C., marq. de, Fr. mystic, * 1743, † 1803. ✓.

St. Michael's, largest of Azores; 224 s.m., 110,000 inh.

St. Nicolas, ⊙ of Belg.; 27,000 inh.; manufactures.

St. Patrick, apostle of Ireland, * *ca.* 373 Scotland; sold as slave in Irlnd., escaped to Fr., appnted. by Pope missy. to I., baptised 12,000 persons there, founded 365 churches † *ca.* 470 near Downpatrick.

St. Paul, cap. ⊙ of Minnesota, U.S.A., on ⚓ Mississippi; 45,000 inh.

St. Paul de Loanda, cap. ⊙ of Portug. possessns. in W. Afr.; 12,000 inh.; ivory & palm-oil.

St. Petersburg, capital ⊙ of Russia, & of govt. of St. P., on ⚓ Neva, at head of Gulf of Finland, defended by ⚓ ⊛ of Cronstadt, wh. is also its port; 930,000 inh.; shipbldg., manfrs., &c. Winter Palace (built 1762 for Empress Elizabeth) burnt down 1837, re-built in 15 months; St. Isaac's Ch., begun by Catherine II. 1770; Ch. of SS. Peter & Paul 1727, within citadel; univ. fnded. 1829. Several islands below ⊙ proper covered w. mansions & gardens. Founded by Peter the Great 1703; properly Petersburg, without prefix.

St. Pierre, 1] French island of Bourbon, Ind. Ocean; 28,000 inh. **2]** Fr. island near Newfoundland; 3,000 inh.

Saint-Pierre, Jac. H. Bernadin de, rom. & misc. ✓, * 19/1 1737 Havre, † 22/1 1814 Paris. "Études de la Nature" 1774, "Paul et Virginie" 88, &c.

St. Quentin, ⊙ of Aisne, Fr., 80 m. N.E. of Paris; *ca.* 40,000 inh.; fine cathedral; linen, lace, & muslin.

St. Ruth, Genl., Fr. offr.; suppressed Huguenots, cmnd. Fr. force sent to Irlnd. to support Jas. II.; † in ⚔ Aughrim 1691.

Saint-Saëns, Chas. Camille, ♥ comp. & critic, * 9/10 1835 Paris; organist at Madeleine 58. Operas, symphonies, &c.; "Danse Macabre."

Saint-Simon, 1] Louis de Rouvroy, duc de, Fr. ⚔ & ✓, * 16/1 1675 Paris, † there 2/3 1755. ✓ Memoirs of Fr. Court under Louis XIV. & his successors, 1st. pubd. 1788-89. **2]** Claude H., comte de, socialist & ⁂, * 17/10 1760 Paris, † 19/5 1825; founder of St. Simonianism. ✓ "Catechisme des Industriels" &c. **3]** Henri J. V., duc de, Fr. offr. * 1782; ambass. at

Lisbon & Copenhagen, Govr.-Genl. of French India 1833, † 65.

St. Simonism, St. Simonianism, social & political system of St. Simon 2: European parliament to arbitrate in all European affairs, & social hierarchy based on capacity & labour.

St. Thomas, chf. island of Dan. W. Indies, 40 m. E. of Porto Rico; 23 s.m., 15,000 inh. Cap. ⊙, Charlotte Amalie, ⚓.

St. Vincent, island of Brit. W. Inds.; 132 s.m., 40,000 inh.; sugar, molasses. Cap. ⊙, Kingston.

St. Vincent, Cape, S.W. point of Portugal, N.W. of Gibraltar; ⚓ ⚔ 14/2 1797, Span. deftd. by Brit. under Jervis.

St. Vincent, John Jervis, earl of, British ⚓ offr., * 1734; rear-adml. 87, comd. in W. Ind. 94; took Guadeloupe, Martinique, St. Lucia; won ⚔ Cape St. V. 79, peer (with pens. of £3,000), adml. 99, blockaded Cadiz, 1st Lord of Admlty. 1801–4, genl. of Roy. Marines 14, Adml. of Fleet 21, † 23; statue in St. Paul's.

St. Vitus's Dance, *v.* Chorea.

Sainte-Beuve, Fr. critic & misc. ✓, * 23/12 1804 Boulogne; memb. of Fr. Acad. 45, prof. of ✓ in Coll. de Fr., † 13/10 69. "Hist. de Port Royal" 40–60, &c.

Sainte-Croix, Danish island of the Antilles; 19,000 inh.

Sainte-Croix, Guill. E. J., bar. de, Fr. ♛ ✓, * 1746 Montmoiron, † 1809.

Sainton-Dolby, Charlotte H., contralto singer & composer, * 1821 London; m. M. Sainton (violinist) 60, retired 70, † 85.

Saintsbury, Geo. E. Bateman, misc. ✓, * 23/10 1845 Southampton. Works on Fr. ✓, "Marlborough," &c.

Sakuntala, Hind. heroine, subject of native drama translated by Sir W Jones.

Sakya-Muni, *v.* Buddha.

Sal, Saul, ✿, *shorea robusta*, large gregarious tree; Ind. & Malay Islands; yields valuable timber, & a resin (S. or dhoona).

Sal Ammoniac, *v.* Ammonium.

Sal Volatile, ℞, solution of carbonate of ammonium in mixt. of ammonia & dilute alcohol, with oil of nutmeg & of lemon.

Sala, Geo. August. Hy., journal. & misc. ✓, * 1828 London (father an Ital.); spec. corresp. for *D. Telegraph* in U.S.A. 63–4, Franco-German War 70, Russia 76, Australia 85. "Journey due North" 59, "Journey due South" 85, &c.

Salabut Jung, Soubadar of the Deccan, 3rd s. of Nizam Ali Khan; deposed by his bro. 1761, put to death by his father 63.

Saladin (Salah-ed-Din), Jussuf ibn Eijub, Egypt. sultan, * 1137; s. of a Kurd; made Egypt indpndt., added Syria & Mesopotamia, deftd. Crusaders nr. Tiberias & took Jerusalem 87, lost Acre 91, † 92; spirited & chivalrous.

Salado, ⚓ of Parana, Argent. Repub.; rises in Andes ⛰; 600 m.

Salamanca, W. prov. of Spain; 4,940 s.m., 290,000 inh. Chf. ⊙, S., on ⚓ Tormes; 20,000 inh.; 12th & 16th cents. cathedrals; univ. 1200; ⚔ 22/7 1812, Marmont deftd. by Wellington.

Salamander, 1] zoology, any memb. of *salamandræ* fam. (incldg. newts), esp. Spotted S. & Black S.; 80 specs., both aquat. & terrestr.; when alarmed, exudes fr. back & sides a milky humour, injurious to some sm. animals: once supposed to be able to subsist in fire. 2] Alchemy, imag. being in human form that can live in fire.

Salamis, 1] now Koluri, island in Gulf of Ægina, 10 miles east of Athens; *ca.* 10 s.m., *ca.* 4,000 inh.; ⚓ ⚔ 480 B.C., Greeks under Themistocles deftd. Persns. under Xerxes. 2] Ancient ⊙ of Cyprus; ⚔ 306 B.C.

Saldanha, José C. S. de Oliveira, duke of, Portug. statesm., * 1790; For. Min. 1825, govr. of Oporto, in exile 36–46, Chf. Min.

47–9, 51–6, 70, Min. to England, † 21/11 76 London.

Sale, 1] Geo., orientalist, * 1680 Kent, † 14/11 1736 Lond.; translrd. Koran 34. 2] Robt. Hy., Brit. offr., * 1782; held Jellalabad 12/11 1841 –7/4 42, † in ✕ Moodkee 45.

Salem, Selem, distr. of Madras, Brit. Ind.; 7,483 s.m., *ca.* 2,000,000 inh. Chf. ⊙, S.; 50,000 inh.

Salerno, chief ⊙ of province of S., Ital., on Gulf of S.; 32,000 inh.; cathed. founded 1084; univ. now extinct.

Sales, Francis de, *v.* Francis of Sales.

Salford, ⊙ of Lancs., separated from Manchester by ⚓ Irwell; cotton; 190,000 inh.; rets. 3 M.P.s.

Salic Law, ⚖ of Salian Franks, limiting succession to certain lands to heirs male. In 14th cent. females were excld. from Fr. throne by application of this ⚖ to succession to crown. Introduced into Spain by Bourbons 1700, abolished 1830 to provide for succession of Isabella II. Its existence in Hanover led to separation of H. from Eng. on accession of Q. Victoria 1837.

Salicin, ⚗, $C_{13}H_{18}O_7$, compnd. of carbon, hydrog., & oxygen, discvd. by Leroux; exists in bark & leaves of most willows & some poplars; is prodcd. artific. by action of nascent hydrogen on helicin, or by boiling populin w. lime or baryta water; crystallises in colourless bitter prisms, melts at 198°, soluble in water & alcohol. Used in ℞.

Salicylic Acid, ⚗, $C_7H_6O_3$, compound of carbon, hydrog., & oxygen, found in meadow-sweet flowers & oil of winter green; may be prepared by heating sodium phenate in current of carbonic-acid gas, &c.; forms colourless prisms, wh. dissolve in hot water; used in ℞ for fevers & acute rheumatism, & as antiseptic; also anti-putrefactive; forms series of salts (salicylates).

Salieri, Ant., Ital. ♪, * 19/8 1750 Legnano, † 7/5 1825 Vienna; royal kapellmeister there. Operas, &c.

_____], Herm., Germ. ✓, * 17/5 1833 Berlin, † there 4/2 79.

Salis-Seewis, Joh. G., Germ. poet. ✓, * 26/12 1762 Seewis, † 29/1 1834.

Salisbury, chf. ⊙ of Wilts., on ⚓ Avon; *ca.* 15,000 inh.; rets. 1 M.P.; cathed. 13th cent., spire 404 feet. Formerly called New Sarum; Old Sarum was 2 m. N. of present ⊙. S. Plain in vicinity.

Salisbury, 1] Robt. A. Talbot Gascoigne Cecil, 3rd marquis of, statesm. & ✓. 2nd s. of 2nd marq., * 3/2 1830 Hatfield; educ. Eton & Christ Ch. Oxford, Fellow of All Souls' 53, M.P. 53, contributed to *Quarterly Review*, &c., married Georgiana Car. (daughter of Baron Alderson) 57, succeeded to title 12/4 68, Indian Sec. 66, resigned on Reform Bill 2/3 67, chanc. of Oxfd. Univ. 69, Ind. Sec. 74, Plenipoten. at Constantinople Conference 77, For. Sec. 78, at Berlin Congress w. Beaconsfield 78, K.G. on return, leader of House of Lds. 81, Premier 85, 86. 2] Robt. Cecil, 1st earl of, son of Lord Burleigh, * 1550; Sec. of State & aftwds. Prime Min. to Elizabeth & Jas. I., creat. earl of S. by latter, † 1612; great service to Protest. cause. 3] Wm. (or Salesbury), Welsh schol., * 1595; transl. Old Test. into Welsh. 4] John of, bp. of Chartres, ✝ & ✍ ✓, * 1110, † 80.

Salivary Glands, anat., the parotid, sub-lingual, & sub-maxillary G.s, which secrete spittle.

Sallo, Denis de, Fr. scholar & polit., * 1626; founded *Le Journal des Savants*, † 69.

Sallow, *v.* Willow.

Sallow-Thorn, ❦, gen. *Hippophaë;* only European species *H. rhamnoides*, sea-buckthorn; shining willow-like shrub.

Sallust (C. Sallustius Crispus), Rom. ✍ ✓, * 86 B.C. Amiternum; quæstor 59, tribune 52, † 34 Rome.

Sally Lunn, a tea-cake: named from a Bath pastrycook who hawked them at close of last cent.

Salmanasar, or Shalmaneser, name of several kings of Assyria. S. IV., 727–22 B.C., destroyed kingdom of Israel & deported the inhabitants.

Salmasius, Claudius (Claude de Saumaise), Fr. schol. & ✓, * 15/4 1588 Semur-en-Auxois; employed to write "Defence of Chas. I.," to wh. Milton replied in "Defence of People of Eng.," † 6/9 58 Spa.

Salmeron y Alonso, Don Nicol., Span. polit., & prof. at Paris, * 1838 Alhama lo Seco; Min. 73, afterwards Presdt. of Republic Executive.

Salmon, 1] Geo., † & math. ✓, * 1819 Dublin; Reg. Prof. Div. Dub. Univ. 66; "Introd. to New Test.," &c., Prov. Trin. Coll. 1888. 2] Nathaniel, Ψ & topog., ✓, † 1742. 3] Wm., 17th century empiric. ✓.

Salmon, ichth., gen. *salmo*, typ. of fam. *salmonidæ*, esp. *salmo salar*. Ascends ⅄s to spawn in late summer & autumn, rets. to sea in Feb. & March; eggs take 90–130 days to hatch. Annual value of English fisheries *ca.* £100,000, Scotch £250,000, Irish £400,000.

Salmonidæ, ichth., fam. of mar. & fresh-water fishes, of order *physostomi*; includes salmon, salmon-trout, trout, char, smelt, grayling, &c. Body genlly. covrd. w. scales, head naked & without barbels, belly rounded, sm. adipose fin behind dorsal, air-bladder large & simple; eggs fall into cavity of abdomen before extrusion.

Salomons, Dav., Jew. merchant & polit., * 1797; 1st Jew. Sheriff of Middx. (1835) & J.P. (38), M.P. for Greenwich 51, voted witht. taking oath, Ld. Mayor of Lond. 55, took seat for Greenwich 59, † 18/7 73. ✓.

Salonica, ⚘ ⚓ ⊙ of European Turkey, at head of Gulf of S.; *ca.* 70,000 inh.; forgn. trade. Fnded. as Thessalonica, & named aft. wife of Cassander, sist. of Alex. the Great; acquired by Turkey 1430.

Salop, *v.* Shropshire.

Salpa, zool., gen. of elongated tunicate marine molluscs, both solitary & aggregated; mostly phosphorescent; blood does not flow in uniform direction, but is periodically reversed.

Salsafy, Salsify, ⚘, *tragopogon porrifolius*; edible root. Called in America oyster-plant.

Salt, 1] Hy., travlr. & orientalist, * 1785 Lichfield; to Abyssinia 05, 09, Cons.-Genl. at Cairo 15, † 30/10 27. ✓. 2] Titus, philan. & polit., * 1803 Morley; fnded. Saltaire 53, M.P. 59–61, bart. 69, † 29/12 76; statue at Bradford.

Salt, ⚗, NaCl, pop. name for chloride of sodium; exists in sea-water to extent of *ca.* 4 oz. to 1 gallon; is fnd. as incrustation on soil in steppes of Russia, &c., & as ⚒ deposit. *v.* Rock-salt.

Salt Lake City, *v.* Utah.

Saltoun, Alex. G. F., Lord, Brit. offr., * 1785; served in Peninsula, defend. Hougoumont at Waterloo, † 1853.

Saltpetre, *v.* Nitre.

Salts, ⚗, compounds formed by replacement of basic hydrogen in acids by equal quant. of a metal or compound radicle. In normal or neutral S.s whole of basic hydrogen is replaced; in acid S.s, only a portion. Basic S.s are normal S.s in which part of the acid radicle is replaced by equal amnt. of oxygen.

Saltwort, ⚘, genus *salsola* of herbs or shrubs, widely distribtd.; includes prickly S., Britain.

Salvage, ⚓ ⚖, compensation claimable by those who save ships or goods; disputed cases decided by Admiralty Court.

Salvation Army, † organisation on ⚔ model formed *ca.* 1878 by Willm. Booth, ex-Methodist minister.

Salvator Rosa, Ital. ●, etcher, △, ♛, & poet. ✓, * 1615 Arenella, near Naples, † 15/3 73 Rome.

Salvi, G. B., *v.* Sassoferrato.

Salviati, 1] Francesco (Rossi), Ital. ●, * 1510, † 63. 2] Leonardo, Ital. philol., * 1540 Florence, † 89.

Salvini, 1] Tommaso, trag. ◐, * 1/1 1830 Milan; to Amer. 74 & 81, Eng. 75 & 84, &c. 2] Antonio M., Ital. schol. & misc. ✓, * 1653 Florence, † 1729.

Salwin Hill Tracts, distr. of Tenasserim, Burmah; 4,646 s.m., 27,000 inh. Chf. ⊙, Pa-pwon.

Salzburg, cap. ⊙ of Austr. prov. of S., on ⚓ Salzach; 25,000 inh.; archbpric.; 17th cent. cathed. Prov., 2,767 s.m., 170,000 inh.

Sam Slick, pseud. of Haliburton, Thos. Chandler (*q.v.*).

Samanides, dyn. of 10 kings in W. Persia 902–1004, founded by Ismail al Samani.

Samarang, Dutch ⚓ ⊙ in Java, north coast; 50,000 inh.

Samaria, middle of 3 tetrarchies into wh. Palestine was divided by Romans. Chief ⊙s, S. & Sychar. Colonisd. aft. Captivity by Cuthites. Now part of Turkish pashalik of Damascus.

Samarkand, ⊙ of Russ. Turkestan, near frontiers of Bokhara, annexed to Russ. 1868; 20,000 inh. In 14th century cap. ⊙ of Timur's (Tamerlane's) Empire.

Sambalpur, district of Central Provs., B. Ind.; 4,407 s.m., 550,000 inh. Chf. ⊙, S.; 12,000 inh.

Sambourne, Edward Linley, artist & caricaturist, * 4/1 1845 London; joined *Punch* staff 67.

Sambre, Fr. ⚓, joins ⚓ Meuse at Namur; 120 m.

Samnites, anct. nation of Cent. Italy; reduced by Roms. in 3 wars 343–290 B.C.

Samoan (Navigator's) **Islands,** group of 9 in S. Pacific; 1,077 s.m., 37,000 inh.; largest, Savaii, 40 × 20 m. Chf. ⊙, Apia, in Upolo, British consulate. King Malietoa deposed 1887 by Germ., who set up King Tamasese.

Samos, 1 of Sporades Islands, 1 m. from coast of Asia Minor; 212 s.m., 42,000 inh. (chfly. Grks.); white marble. A principality, tribut. to Turkey, 1832. Cap. ⊙, Khora, on site of ancient S.

Samothrace, 1 of Sporades Islands, 40 m. N.W. of mouth of Dardanelles, 8 × 6 m.; 5,000 inh. (chfly. Greeks); lofty ▲ in centre.

Samphire, ✿, gen. *crithmum*, esp. *C. maritimum*, common S., wh. grows on ⚓ rocks in Brit., & is pickled as condiment. Longwood S. is *pharmaceum acidum;* Marsh S., gen. *salicornia.*

Sampson, Thos., Puritan †, * 1517; dean of Chichester & of Christ Ch. Oxford, deprived by High Commission Court, † 89.

Samsöe, Danish island near N. mouth of Great Belt; 41 s.m., 6,000 inh.

Samsöe, Ole J., Danish poet. & misc. ✓, * 1759, † 96.

Samson, Jos. I., ◐, * 1793 Paris, † 1871; taught Rachel & Bernhardt.

Samuel, Hebr. prophet, last of Judges, *ca.* 1,000 B.C.; reputed ✓ of I. & II. S., Old Testament.

San-benito, yellow robe on wh. devils & flames were depicted; worn by victims of Spanish Inquisition.

San Domingo, *v.* St. Domingo.

San Fernando, ⊙ of Spain; *ca.* 26,000 inh.

San Francisco, ⚓ ⊙ of Upper California, U.S.A., port of Sacramento; *ca.* 300,000 inh.; exports precious metals, wheat, flour, wine, quicksilver, wool. Created by gold-rush 1848.

San Marino, small republic of Central Italy; 22 s.m., 8,000 inh. Cap. ⊙, S.M., 1,500 inh., on S. slope of a ▲. Has been a repub. since 13th century.

San Miguel Evarista, Span. genl., statesm., & ✕ ✓, * 1780; capt.-genl. of Madrid 1854, † 62.

San Remo, Ital. watering-place on Gulf of Genoa; 17,000 inh.

San Salvador, smallest of Cent. Amer. repubs., S. of Guatemala, S.W. of Honduras, on Pacif. coast;

9,450 s.m., 560,000 inh.; products: indigo, coffee, balm of Peru; trade chfly. w. U.S.A. & Grt. Brit. Present constitution established 1864, revolution 85. Cap ⊙, San S.; 30,000 inh.; nearly destroyed by earthquake 1873; its port, La Libertad.

San Sebastian, Span. ⚓ ⊙ on B. of Biscay; cap. of prov. of Guipuscoa; 23,000 inh.; siege by Wellington 1813.

San Stefano, Turk. ⊙ near Constantinople, on Sea of Marmora; treaty betw. Russ. & Turk. 3/8 1878.

Sanchez-Coello, A., Span. ◉, * 1515, † 90.

Sanchoniathon, ♛ /, 13th cent. B.C. Berytus. ♛ of Phœnicia.

Sancroft, Wm., †, * 1616 Fressingfield: deprived of fellowship at Camb. for refusing Solemn League & Cov., dean of York & of St. Paul's 60, archdeacon 68, archbishp. of Canterb. 78, refused to publish Declaration of Indulgence, deprived as non-juror after Revol., † in seclusion 93. /.

Sanctum Sanctorum, Lat. = Holy of Holies; most holy part of Jewish Temple.

Sanctus, † ☧, pt. of Communion service in Anglican, & of Mass in Rom., Ch., commencing w. "S." in latter, & "Holy" in former.

Sand, George, pseud. of Amantine L. A. Dudevant (*née* Dupin), nov. & ♁ /, * 5/7 1804 Paris; marr. Lieut. D. 22, separ. from him 31, † 8/6 76 Nohant. "Elle & Lui" 58, "Consuelo" 44, "Impressions & Souvenirs" 73. *v.* Sandeau, L.S.J.

Sand, ⚒, broken fragments of rocks, flint, &c.; colours derived from ⊕s in rocks.

Sand-eel, *v.* Launce.

Sand-grouse, ornith., family *pteroclidæ*, rock-pigeons; desert-birds. Pin-tailed S.-g., *pterocles setarius;* Pallas's S.-g., *syrrhaptes paradoxus.*

Sand-Martin, *v.* Martin.

Sandal-wood, scented wood fr. genus *santalum* esp. *S. album*, S. Asia. Used in ♃, cabinet-making, & perfumery.

Sandalwood Island, Eastern Archipel., S. of Flores; 5,000 s.m., *ca.* 500,000 inh.; forests of sandal-wood. Govd. by nat. princes, nominally subject to Netherlands.

Sanday, Wm., † /, * 1/8 1843 nr. Nottingham; Ireland prof. of exegesis Oxfd. 83. "4th Gospel" 73, &c.

Sandby, Paul, ◉ in water-colrs., * 1732; one of founders of R.A., † 1809.

Sandeau, L. S. Jules, Fr. nov. & ♁ /, * 19/2 1811 Aubusson; memb. of Acad. 58, † 21/4 83 Paris; collab. with Geo. Sand (31), hence her pseudonym.

Sandeman, Robt., Scot. †, * 1723; founded sect called after him in New England, † 71.

Sanderling, ornith., *callidris arenaria;* visits Britain in winter.

Sanders, Robt., Eng. ♛ & misc. /, * 1729, † 83.

Sanderson, 1] John S. Burdon, ♃ & ♃ /, * 9/12 1828 Newcastle-on-T.; Waynflete prof. of physiol. Oxford 82. 2] Robt., †, * 1587; chaplain to Chas. I., bp. of Lincoln 1661, wrote preface to Prayer Book, † 1663. 3] Robt., ♆ & ♛ /, * 1660, † 1741.

Sandford, 1] Danl. Fox, †, * 1831; bp. of Tasmania 83.

2] Chas. W., †, * 1828; bp. of Gibraltar 74.

Sandhopper, zool., sm. crustacean, of ord. *amphipoda;* frequents sandy shores.

Sandhurst, Wm. R. Mansfield, baron, Brit. genl., * 1819; chief of Col. Campbell's staff in Indian Mutiny, comd. in Bombay Presidency 60, comdr.-in-chf. in Ind. 65, peer 70, † 23/6 76.

Sandon, Visct., title of eldest s. of earl of Harrowby.

Sandoval, Fray P. de, Span. † & ♛ /, * 1500, † 1621. "♛ of Chas. V."

Sandoway, district of Arakan, Burmah; 3,667 s.m., 60,000 inh. Chf. ⊙, S.

Sandpiper, ornith., pop. name for several Eng. wading birds, esp. *totanus hypoleucus*, common S., or Summer Snipe.

Sandrart, Joach. v., German port. ☻ & ✓, * 12/5 1606 Frankfort-on-Maine, † 14/10 88 Nuremberg.

Sands, Robert, Amer. poet. & misc. ✓, * 1799 New York, † 1832.

Sandstone, ⚒, rock composed of grains of sand cemented together; may be quartzose (siliceous), calcareous (carbonate of calcium), or argillaceous (clay). If it contains pebbles it is conglomerate, or pudding-stone.

Sandstone, New Red, *v.* Trias.

Sandstone, Old Red, *v.* Old Red Sandstone.

Sandwich, Earls of, *v.* Montague.

Sandwich (Hawaiian) **Islds.,** grp. of 10 in N. Pacific, S. of tropic of Cancer; *ca.* 7,000 s.m., 60,000 inh. (5,000 Europns.); 8 inhabited; largest Hawaii (Owhyhee), Oahu, Kawai, Maui, & Attooi; sugar, coffee, rice. Cap. ⊙, Honolulu, on Oahu; 15,000 inh. ♛: discvd. 1778 by Cook, who was killed on Hawaii 79; named aft. then earl of S., Ld. of Admiralty; Christy. introduced 1820, Eng. bpric. formed 61; constitutnl. monarchy estab. 52; present king Kalakaua, visited England 81.

Sandwort, *v.* Arenaria.

Sandys, 1] Edwin, †, * 1519 Hawkshead; vice-chanc. of Cambridge, degrad. at Mary's accessn. & imprisd., bishop of Worcester by *Elizab., of London 70,* archbp. of York 76, † 88; part-✓ of "Bp.s' Bible." 2] His s., Geo., poet. & misc. ✓, * 1577 Bishopsthorpe, † 1643 Braxley Abbey; bks. of travel, &c. 3] Geo., travlr. & poet. ✓, * 1577, † 1644. 4] John Edwin, class. edtr., * 19/5 1844; pub. orator at Camb. 76.

Sangallo, Ant., Ital. △, * Mugello, † 1546.

Sangir Islands, grp. of *ca.* 50 in E. Archipel., N. of Celebes; volcan.; *ca.* 80,000 inh.; govrnd. by nat. rajahs, subject. to Netherlands. Largest, Great S., 274 s.m.

Sangor, *v.* Sagar.

Sanguinaria, ✿, gen. of *papaveraceæ*, esp. *S. canadensis*, the puccoon; ℞, emetic, purg., &c.

Sanguisorbaceæ, ✿, order of herbs or under-shrubs, sometimes spiny; inclds. lady's-mantle, agrimony, &c.; 12 genera, 125 specs.; Europe, America, Cape of Good Hope.

Sanhedrim, superior court or council of Jews; 71 membs., chief priests, elders, & scribes; extinct 425.

Sanmicheli, Michele, Ital. △, * 1484 Verona, † 1559.

Sannazaro, Jacopo, Ital. schol. & poet. ✓, * 1458 Naples, † 1530.

Sanscrit, ancient lang. of Hindoos, & oldest Indo-European tongue; in it the Vedas & almost all Hindoo ✓ are written; highly inflected; alph. contains 47 letters (14 vowels, 33 consonants); has long ceased to be a spoken language.

Sansculotte, Fr. = witht. trousers; name appld. to pop. party by aristocrats in Revol. of 1789, afterwards assumed by former as title of honour.

Sanson, Nicolas, Fr. ◎, * 1600, † 67.

Sansovino, Andr. (Contucci), Ital. ◎, * 1460 Monte Sansovino, † 1529.

Sant, Jas., ☻, * 23/4 1820 Croydon; A.R.A. 61, R.A. 70.

Santa Anna, A. L. de, Mexican statesm., * 10/6 1798 Xalapa; fght. against Spain, Presdt. of republic 1833, Dict. 41–4, 53–5, twice banishd., † 20/6 76.

Santa Catharina, island off S.E. Brazil, 30 × 10 m.; gives name to prov. on mainland. Chf. ⊙ of island & prov., Desterro.

Santa Claus, *v.* Claus, St.

Santa Cruz, Danish W. Ind. island, S.E. of St. Thomas; 85 s.m., 25,000 inh.; sugar. Chf. ⊙, Christianstadt.

Santa Cruz Islands, Queen Charlotte I.s, group in S. Pacific, S.E. of Solomon I.s; 380 s.m., ca. 5,000 inh.; largest, S.C., 20 × ½ m.

Santa Fé de Bogota, *v.* Bogota.

Santal Parganas, district of Bhagalpur, Brit. Ind.; 5,488 s.m., 1,300,000 inh. Cap. ⊙, Naya Damka.

Santalaceæ, ✱, sandalworts; order of herbs, shrubs, or trees; temp. & trop. climates; 18 gen., 110 specs.; includs. gen. *santalum*. *v.* Sandalwood.

Santander, N. prov. of Spain, on B. of Biscay; 2,111 s.m., 240,000 inh.; ▲ous, ⊕s. Chf. ⊙, S., ⚓; 40,000 inh.

Santarosa, Santorre, count, Piedmontese patriot, * 1783 Savigliano; exiled, † 1825 Navarino, fighting for Greek independence.

Santerre, Ant. Jos., Fr revol., * 16/3 1752 Paris; comd. National Guard 89, deftd. in Vendee 93, † 6/2 1809.

Santiago, or S. de Chili, cap. ⊙ of Chili & of prov. of S., on plain at foot of Andes ▲s, 90 m. S.E. of Valparaiso, its port; *ca.* 400,000 inh.; univ. Fnded. by Span. 1541.

Santiago de Compostella, ⊙ of Spain; 25,000 inh.; archbpric., univ., 11th cent. cathedral.

Santiago de Cuba, ⊙ on S. coast of Cuba; 60,000 inh.; archbishopric; formerly cap. of island.

Santley, Chas., baritone, * 1834 Liverpool; studied under Nava & Garcia, 1st appeared on stage 59 in *Dinorah*.

Santonin, ⚗, the active constituent of seeds of *artemisia santonica*, discovered by Kahler 1830. ✱, anthelmintic.

Sanuto, Marino, Venetian ✍/, * 1466 Venice, † 1585.

Sanzio, *v.* Raphael.

Saône, Fr. ⅄; rises Faucelles ▲s, falls into ⅄ Rhône nr. Lyons; 314 m.

Saône-et-Loire, a central Fr. departmt.; 3,302 s.m., 630,000 inh.; ⅄s, S. & L. Chf. ⊙, Mâcon; 16,000 inh.; wines.

Saône, Haute, N.E. Fr. dept.; 2,062 s.m., 300,000 inh.; ⅄, S. Chf. ⊙, Vesoul; 8,000 inh.

Sap, ✱, food-juices of plants, derived fr. soil: ascends to leaves as crude S., then becomes elaborated S.; descends through bark & forms cambium, from which young wood is formed.

Saphir, M. G., Austr. humorist, * 8/9 1795 Buda-Pest, † 4/9 1858 Vienna.

Sapindaceæ, ✱, soapworts; ord. of trees or shrubs, tropical; 50 genera, 389 specs.; tribes *sapindeæ*, *hippocastaneæ*, *dodoneæ*, *melioseæ*. Includes soap-tree, *sapindus saponaria*.

Saponin, ⚗, substance 1st fnd. in common soapwort, but widely diffused thro' vegetable kingdom. Used to give froth to beer, &c.

Sapor, kings of Persia: 1] took Emp. Valerian captive, defeated by Odenatus, † 271. 2] * 310; deftd. Romans at ⅄ Tigris, when Emp. Julian was slain, persecuted Christians, † 381.

Sapotaceæ, ✱, trop. & subtrop. ord. of trees & shrubs with milky juice & simple leathery leaves; 21 genera, 212 specs.; includes gutta-percha tree.

Sappan-wood, red dye-wood of *cæsalpinia sappan*; India & Ceylon.

Sapphire, ◆, deep-blue transparent variety of adamantine spar; Ceylon, Pegu, East Indies, Italy, U.S.A.

Sappho, Greek lyric poetess, * *ca.* 610 B.C. Mitylene; only 2 poems extant: Ode to a Young Female & Hymn to Venus.

Sapucaya Nut, ✱, edible seeds of *lecythis ollaria*, large Brazilian tree, myrtle family.

Saracens, Arab. *sharki* = eastern: name 1st applied by Pliny to Bedouin Arabs of Mesopotamia, afterwards extended to whole Arab race.

Saragossa, Zaragoza, N.E. province of Spain; 7,810 s.m., 400,000 inh. Chf. ⊙, S., on ⅄ Ebro; 85,000

inh.; univ. founded 1474; 2 cathedrals; besieged by Fr. 3/8 1808–20/2 09. The Cæsarea Augusta of the Romans.

Saran, distr. of Patna, Brit. Ind.; 2,654 s.m., 2,100,000 inh. Chf. ⊙, Chapra; 47,000 inh.

Sarasate, Martin M., Spanish violinist & comp., * 10/3 1844 Pamplona; 1st appeared in London 74.

Saraswati, Hind. myth., wife of Brahma, & goddess of fine arts.

Saratoga Springs, watering-place of U.S.A., N. York State; 10,000 inh.; 28 ♁ springs; 60,000 visitors annually; ⚔ 17/10 1777, Brit. und. Burgoyne surrendered to Genl. Gates.

Saratov, chf. ⊙ of govt. of S., S.E. of European Russia, on ⚓ Volga; 95,000 inh.; archbishopric.

Sarawak, independent State on N.W. coast of Borneo; 30,000 s.m., 240,000 inh.; iron, copper, antimony, gold, coal. Govt. was obtained by late Sir J. Brooke from Sultan of Borneo 1842; succ. 68 by his neph., H. H. Charles J. Brooke.

Sarbiewski, Matt. K., Pol. poet. ✓, * 1595 Masovia, † 1640 Warsaw.

Sarcey, Francisq., Fr. ✆ critic & misc. ✓, * 8/10 1828 Dourdan. Crit. on *Temps* 67, "♛ of Siege of Paris" 70, &c.

Sarcine, ⚗, substance existing in juice of flesh; white crystall. solid.

Sarcophagus, any coffin or tomb of stone; orig. a kind of stone, from Assos, ⊙ of Lycia, believed to consume flesh of dead bodies within few weeks.

Sard, ♁, ancient name for cornelian (*q.v.*).

Sardanapalus, Assyrian k., 9th cent. B.C.; said (probably untruly) to have destroyed himsf., his wives, & treasures by fire at Nineveh when the ⊙ was about to be taken.

Sardina, ichth., *clupea sardina;* like pilchard, but smaller. Annual value of exports fr. Fr. & Medit. ports, *ca.* £150,000.

Sardinia, isld. of It., sep. from Corsica by Strait of Bonifacio; 9,363 s.m., 690,000 inh.; corn, vines, olives; 2 provs., Cagliari in S., Sassari in N. Chief ⊙s, C. & S. For ♛ of kingdom of S., *v.* Italy.

Sardonyx, ♁, kind of agate with layers in straight bands; white chalcedony alternating with sard.

Sardou, Victorien, Fr. ✆ ✓, * 7/9 1831 Paris; memb. of Fr. Acad. 77; *Dora* 77, *Odette* 81, *Fédora* 83, *Théodora* 84, *Crocodile* 86, &c.

Sargassum, *v.* Gulf-weed.

Sargon, Assyr. k., 721–704 B.C.; conquered Asia Minor.

Sari, Japan. carver, 18th cent.

Sark, 1 of Channel Islands (*q.v.*), 2 s.m., 600 inh.

Sarpedon, Grk. myth., favrite. of the gods; slain at Troy by Patroclus.

Sarpi, Pietro (Fra Paolo), Ital. ⚗, ♛, & ✝, * 11/8 1552 Venice; excomd. by Pope Paul V., † 14/1 1623. ✓ "♛ of Council of Trent," "Inquisition," &c.

Sarracenia, ✿, gen. typical of ord. *sarraceniaceæ;* herb. plants in bogs of N. Amer. & Guiana; 6 species; called also Side-saddle Flower.

Sarrien, M., Fr. polit., * 1840; Minist. of Posts 85, of Interior 86, 87.

Sarsaparilla, ✿, rhizome of var. specs. of *smilax*, esp. *S. officinalis;* Cent. Amer.; diaphoretic, diuret., demulcent, tonic, alterative. Italian S., *S. excelsa.*

Sarsfield, Patrick, Irish offr.; fght. for Jas. II., drove Eng. from Sligo, raised siege of Limerick, entered French army, † 1693 ⚔ Landen.

Sarthe, inland deptmt. of Fr.; 2,396 s.m., 450,000 inh. Chf. ⊙, Le Mans; 46,000 inh. Named fr. ⚓ S., wh. joins ⚓ Mayenne & forms ⚓ Maine; 127 m.

Sarti, Giuseppe, Ital. ♛ ("the Divine Maestro"), * 1730, † 1802.

Sarto, del, *v.* Andrea Vannuchi.

Sartoris, Adelaide, *née* Kemble, nov. ✓, * *ca.* 1816.

Sarum, *v.* Salisbury.

Sasa, *v.* Hocco.

Saskatchewan, ⚓ of Canada; rises in Rocky ▲s, falls into Lake Winnipeg; 1,000 m. Gives name to prov. distr.; 114,000 s.m., 20,000 inh.; bpric.

Sassafras, ☘, gen. of *lauraceæ*, esp. *S. officinalis*, large tree of N. Amer.; ☘, wood, root, & bark stimulants, sudorifics, diuretics.

Sassanides, Persian dyn. 226–651; fnded. by Ardeshir, son of Sassan; ended with Yestigerd III., when Persia became Mohammedan.

Sassari, Sardinia, chief ⊙ of prov. of S.; 35,000 inh.; cathed. & university.

Sassoferrato (Giov. B. Salvi), Ital. ☻, • 11/7 1665 Sassoferrato, † 8/4 85.

Satara, distr. of the Deccan, B. Ind.; annexed 1848; 5,378 s.m., 1,120,000 inh. Chf. ⊙, S.; 25,000 inhabitants.

Satin, closely-woven silk with overshot woof & highly-finished glossy surface.

Satin Bird, or Satin Bower-bird, ornith., *ptilonorhyncus violaceus*, E. Austral.; male has glossy black plumage of S. texture; weaves arbour-like gallery independent of nest.

Satin-spar, ⊕, finely fibrous variety of gypsum.

Satin-wood, glossy wood from *ferolia guianensis*, W. Indies, & *chloroxylon swietenia*, E. Indies; used in veneering.

Satsuma, Jap. porcelain of the private factory of the S. princes.

Saturday, 7th day of week: fr. Anglo-Saxon *Sæter* = Saturn.

Saturn, 1] Rom. myth., god of time=Grk. Kronos; represented as old man bent w. age, holdg. scythe. 2] ♄, 6th planet from sun, 2nd in mag.; mean dist. fr. sun 884,000,000 m., mean diam. 71,000 m.; turns on its axis in 10 hrs. 14 m. 23·8 secs., revolves round sun in 29½ years; density ⅛ that of earth; 8 rings (2 bright, 1 dark) & 8 satellites.

Saturnalia, wild feast in honour of Saturn, celebrated in December; time of unrestrained licence.

Satyrs, Grk. myth., rural deities, half-goats, attendants of Bacchus & suitors of the nymphs; ident. w. Roman Fauni.

Saul, *v.* Sal.

Saul, 1st Israelitish k., *ca.* 1055–33 B.C., † in ⚔ against Philistines.

Saumaise, *v.* Salmasius.

Saumarez, Jas., baron de, Brit. adm., • 1757 Guernsey; 2nd in command ⚔ of Nile, bart. 1801, won ⚔ off Cadiz 12/7, comd. Baltic Fleet in war of 1809, peer 31, † 36.

Saumur, Fr. ⊙ on ⚓ Loire; 14,000 inh.; ⚔ 7/7 1793; champagne.

Saunders, Edmund, ⚖, • 1600; Chief Just. of King's Bench 88, † 88.

Saunders, Richd., pseud. under wh. Benj. Franklin began publictn. of "Poor Richard's Almanac."

Saunderson, Nicholson, math., • 1682 Thurlston; Lucasian prof. of mathematics at Camb., † 1739.

Sauria, same as *Lacertilia*. *v.* Lizard.

Saurin, 1] Jacq., Fr. preacher in London, • 1677 Nîmes, † 1730 The Hague. 2] Joseph, Fr. math. & †, • 1659; converted to Romanism by Bossuet, † 1737. 3] Bernard J., son of 2, ✓, • 1706, † 81.

Saururæ, palæontol., extinct lizard-tailed birds; only one gen., *archæopteryx*; connecting link between birds & reptiles.

Saury, Skipper, ichth., *scomberesox saury*, like garfish; Brit. coast.

Saussier, Fél. G., Fr. genl., • 16/1 1828 Troyes; comd. agst. Tunis 81.

Saussure, 1] Horace B. de, Swiss naturalist & physicist, • 17/2 1740 Conches, † 22/1 99 Geneva. ✓ "Travels in Alps" 79–96, &c. 2] His s., Nic. T., natural ⚗, • 14/10 1767 Geneva, † there 18/4 1845; one of founders of modern vegetable ⚗.

Sauvages, Franç. B. de, Fr. ☘ & ☘, • 1706, † 67. ✓.

Sauveur, Jos., Fr. math. & / on ♁, * 1653, † 1716.

Savage, 1] Richd., s. of Cntess. of Macclesfield by Earl Rivers, poet. /, * 16/1 1696 London; sentncd. to death for killg. man in a brawl 1727, but pardoned; pensn. of £50 fr. Qn. Caroline 32, † 31/7 43 in debtors' prison Bristol. *Love in a Veil* 18, "Bastard" 28, "Wanderer" 29, &c. 2] Wm., /, * 1771, † 1844. "Dictionary of Printing."

Savannah, ⊙ of Georgia, U.S.A., 18 m. from mouth of S. ⚓; 30,000 inh. ⚓ S. rises in Alleghany ▲s, falls into Atlantic; 300 miles.

Savart, Felix, Fr. scient., * 1791 Mézières; memb. of Fr. Acad. 1827, † 41.

Savary, 1] Anne J. M. René, duc de Rovigo, Fr. genl., * 26/4 1774; executd. Duc d'Enghien, comd. army in Spain, surr. with Napol. I. & imprisoned at Malta, comdr.-in-chf. of army in Africa 1830, † 2/6 33. /. 2] Nic., Fr. orientalist, * 1750, † 88.

Save, or Sau, ⚓, of Austr.; rises in Carniola, falls into Danube near Belgrade; 250 miles.

Savigny, 1] Fried. K. v., Germ. jurist of Fr. descent, * 21/2 1779 Frankfort-on-Maine; prof. of ⚖ Berlin 1810, Minist. of Justice 42, † 25/10 61 Berlin. / "Modern Rom. ⚖," &c. 2] His son, Karl F., Pruss. diplom., * 19/9 1814 Berlin, † 11/2 75.

Savile, 1] Geo., v. Halifax. 2] Hy., math. & class. schol., * 1549; tutor to Q. Elizabeth, formed professorships in ✕ & geom. at Oxf., † 1622, leaving his library to the univ. 3] Sir Henry, Ψ, * 1549, † 1622.

Savine, ✿, *juniperus sabina*, small evergreen shrub, native of Central Europe & Asia; leaves yield ✿ oil.

Savoie, Savoy, S.E. departmt. of Fr.; 2,224 s.m., 270,000 inh. Chf. ⊙, Chambéry. Once part of Sardinia; annexed to Fr. by vote of inhabitants 24/3 1860.

Savoie, Haute, E. departmt. of Fr., N. of Savoie, annexed at same time; 1,667 s.m., 280,000 inh. Chf. ⊙, Annecy.

Savonarola, Girolamo, Italian reformer & democrat, * 21/9 1452 Ferrara; Dominican prior of San Marco, Florence, 88; attackd. Papal court, was excommunicated, lost power over populace, † by fire 28/5 98 Florence. /. Life by Villari, &c.

Savory, ✿, gen. *satureia*, esp. *S. hortensis*, garden S.

Savory, Wm. S., ✿, * 1826; president of R.C.S. 55 & 86. / "Pathology of Cancer," &c.

Savoy, *v.* Savoie.

Savoy Conference, †, abortive meetings betw. 12 bps. & several Nonconf. †s to revise liturgy 1661; held in S. Palace, London.

Sawfish, ichth., 5 marine specs., forming fam. *pristidæ*; saw-like snout, sometimes 6 ft. long, 1 ft. broad at base.

Sawfly, entom., fam. *tenthridinidæ*, of ord. *hymenoptera*; female has a saw-like ovipositor, w. wh. to make holes in plants, &c.

Sawyer, Wm., poet. & misc. /, 1st editor of *Funny Folks*, * 26/7 1828, † 1/11 82. "Year of Song" 72, &c.

Saxe, 1] H. Maurice, comte de, Fr. marsh., * 28/10 1696 Dresden; natural s. of Fredk. Aug. of Saxony & Poland; served und. Eugène & Marlboro' in Netherlds., took Prague & held Alsace, marshal of Fr. 1744, comded. army in Flanders, † 30/11 50 Chambord. ✕ /. 2] John Godfrey, Amer. poet. & misc. /, * 2/6 1816 Highgate, Vermont, † 0/4 86. "Flying Dutchman," &c.

Saxe-Altenburg, one of Thuringian States, duchy of German Emp.; 509 s.m., 160,000 inh. Cap. ⊙, A. Present constit. estab. 1831.

Saxe-Coburg-Gotha, one of Thuringian States, duchy of Germ. Empire; divided into 2 provs., G. (larger pt.), & C., each w. a separate assembly; 716 s.m., 200,000

inh. Cap. ⊙s, G. & C. Present constit. estab. 1852.

Saxe-Meiningen, one of Thuringian States, duchy of German Emp.; 933 s.m., 210,000 inh. Cap. ⊙, M.; 10,000 inh. Constit. estab. 1859; 1 Chamb., 24 elect. members.

Saxe-Weimar, Karl A., dk. of, *v.* Charles 34.

Saxe-Weimar-Eisenach, one of Thuringian States, grand-duchy of Germ. Emp., consistg. of W., E., & Neustadt, w. smaller portns.; 1,421 s.m., 310,000 inh. Cap. ⊙, W.; univ. at Jena. Constit. estab. 1816; 1 Chamb., 31 elect. members.

Saxifraga, ✱, large genus of dwarf herbs, *ca.* 160 specs.; chiefly ▲ous; 12 British.

Saxo Grammaticus, Dan. ♛ / in Latin, † 1204.

Saxon, ▲, eccles. style in use in Eng. fr. its conversn. to Christnty. till Conquest; massive columns & semicirc. arches (usually no entablature), simple mouldings, walls of rough masonry without buttresses, triangular heads to doorways & windows; few remains.

Saxons, anct. race in N. Germ. *v.* Anglo-Saxons.

Saxony, kingdom of Germ., 3rd in pop., betwn. Pruss. & Bohemia, bounded on S. by Erzgebirge ▲s; 5,789 s.m., 3,200,000 inh. (chiefly Protests.); cereals, metals, gems, manufacs.; rev. & expend. each *ca.* £3,750,000, debt £32,500,000; cap. ⊙, Dresden; other ⊙s, [illegible] Freiberg, Zwickau, & Chemnitz, ▲s, Elbe, Mulde, White & Black Elster, Pleisse, Spree, Neisse; four provs., Dresden, Leipzig, Zwickau, Bautzen; hered. monarchy, 2 Chambs., 1 elective. ♛: fr. 1436 to 1806 an electorate, Fredk. Aug. III. then made k. by Nap. I.; part of kingdom ced. to Pruss. by Treaty of Vienna 14, revol. 48, war with Pruss. 66, war w. Pruss. agst. Fr. 70. King Albert, * 23/4 1828; m. 18/6 53 to Caroline of Vasa, succ. 29/10 73.

Saxony, prov. of Pruss., chiefly that part of kingdom of S. ced. to Pruss. 1814; 9,729 s.m., 2,315,000 inh. Chief ⊙, Magdeburg.

Say, 1] Jean B. Léon, Fr. stateam. & econ. /, * 6/6 1826 Paris; Finan. Min. 72–3, 75, 6, 7, amb. to Lond. 80, Presdt. of Senate 80, 81, Finan. Min. 82. 2] His grandfather, J. B., polit. econ., * 5/1 1767 Lyons, † 16/11 1832.

Sayce, Archibald Henry, † & philologist, * 25/9 1846 Shirehampton; one of Old Test. Revisers 74, deputy prof. of philol. Oxford 76. / "Anct. Empires of East" 84, &c.

Sayers, Frank, Eng. poet. & miscellan. /, * 1763, † 1817. "Sketches of Ancient Northern Mythology," &c.

Sca Fell, Scaw Fell, highest Eng. ▲, on borders of Cumberland & Westmoreland; 2 peaks, 3,210 & 3,162 feet.

Scab, ✱, contagious disease in cattle, caused by skin parasite.

Scabies, ✱, *v.* Itch.

Scabious, ✱, gen. *scabiosa*, of teazel fam., herbac. plants; 3 Brit. specs., includg. *S. succisa* (devil's-bit scabious), & *S. arvensis*.

Scad, ichth., horse-mackerel.

Scadlock, Jas., Scot. lyric /, * 1775, † 1818. "October Winds."

Scagliola, ▲, hard polished plaster, coloured to imitate marble; prepared from powdered gypsum mixed with isinglass & alum.

Scald, ancient Norse bard.

Scales, horny elemts. developed in skin of fishes & reptiles. Those of fishes are divid. into cycloid, ctenoid, ganoid, & placoid.

[illegible]; 1] Jul. Cæsar (Giulio Bordoni), Ital. class. edit. & ✱, * 1484 Riva, † 1558 Agen, France. / "Latin Language," "Art of Poetry," &c. 2] His s., Joseph J., schol., * 1540 Agen, † 1609 Leyden.

Scallop, Escallop, *v.* Pecten.

Scammony, gum-resin fr. root of *convolvulus scammonia*, Levant & Greece; ✱, purgative.

Scamozzi, Vincenzo, Ital. ▲ & art /, * 1552 Vicenza, † 1616 Venice.

Scamozzi's Rule, the jointed 2-ft. rule used by builders; named after Vinc. S.

Scander Beg, Geo. C., Albanian chief, * 1404; fought und. Amurath II., revoltd., & deftd. Turks in many ⚔s, at last overcome, † 67.

Scandinavia, genl. name for Norway & Sweden & Denmark.

Scansores, ornith., order of climbing birds; foot has 4 toes, 2 turned backwards & 2 forwards.

Scapula, anat., bone wh., w. clavicle, forms pectoral arch or shoulder-girdle.

Scapular, Scapulary, orig. a dress covering the shoulders, part of habit of relig. orders in R. Cath. Ch. Thence a miniature copy of ditto made of 2 pieces cloth conn. by strings, worn by Caths. fr. devotion. There are 5 such S.s in use (that of the Carmelites, of the Trinity, of the 7 Dolours, of the Imm. Conception, & the Red) distinguished by different colours.

Scarabæidæ, entom., typ. fam. of *lamellicornia;* includes great droning beetles; dung-feeders.

Scarabæus, entom., typ. gen. of *scarabæidæ*, esp. *S. acer*, sacred beetle of Egypt; *ca.* 70 species.

Scarborough, harbour & watering-place of Yorks., N. Riding; 35,000 inh.; ruined castle; reta. 1 M.P.

Scaria, Emil, ♪ & bass singer, * 18/9 1840 Graz, † 86.

Scarlatina, *v.* Scarlet Fever.

Scarlatti, 1] Alessandro, Ital. ♫, fndr. of Neapol. school, * 1649 Trapani, Sicily, † 24/10 1725 Naples; masses, operas, cantatas. 2] His s., Domenico, ♫, * 1685 Naples, † there 1757. 3] Giuseppe, s. of 2, ♫, * 1718, † 76.

Scarlet Fever, Scarlatina, ✱, infect. disease, espec. of children; sore throat, high fever, rapid pulse, scarlet rash on skin; no known specific.

Scarlet Runner, Kidney Bean, *v.* Phaseolus.

Scarlet Woman, †, appellatn. fnded. on Rev. xvii. 4, & applied by some Protests. to Papacy.

Scarlett, 1] J., *v.* Abinger. 2] Jas. Yorke, Brit. cav. *offr.* & polit., * 1/2 1799; led heavy cvlry. charge at Balaclava, † 6/12 71.

Scarpa, Ant., Ital. oculist & anat., * 1748, † 1832.

Scarpanto, ▲ous Turk. isld. in Medit., betw. Crete & Rhodes; 32 × 5 m., *ca.* 5,000 inh.

Scarron, Paul, Fr. com poet. ✓, * 1610 Paris Grenoble; 1st husb. of Mme. de Maintenon, † 16/10 60 Paris.

Scaup Duck, ornith., *fuligula marila*, *ca.* 20 in. long; N. regions.

Scavenger's Daughter, instrument of torture invtd. by Sir W. Skevington, Lieut. of Tower *temp.* Hy. VIII.; hoop of iron for squeezing body.

Schadow, 1] Joh. G., ✎, * 20/5 1764 Berlin, † there 27/1 1850. 2] His s., Rud., ✎, * 9/7 1786 Berlin, † 31/1 1122 Rome. 3] Godenhaus, F. W. v., son of 1, ●, * 1789 Berlin, † 1861 Düsseldorf.

Schäfer, 1] Wilh., Germ. ♛, * 17/9 1809 Sechausen; prof. at Bremen 67, † 2/3 80. 2] His bro., Arnold, ♛, * 1819; prof. at Bonn 64.

Schaff, Philip †, * 1/1 1819 Chur, Switz.; to Amer 44, prof. of Ch. ♛ (N. York) 71, presdt. of Amer. Bibl. Revisers. ✓ "♛ of Christian Ch." 58–85 &c.

Schäffer, 1] Jacob C., Germ. naturalist, * 1715, † 90 Ratisbon. 2] Aug., landscape ●, * 30/4 1833 Vienna.

Schaffhausen, N. Swiss canton; 109 s.m., 39,000 inh. Chf. ⊙, S., on ⚓ Rhine; 12,000 inh. Falls of S. 3 m. lower down ⚓.

Schalken, Gottfried, Dutch ●, * 1643 Dordrecht, † 16/11 1706 Hague.

Schamyl, Ben Moham. S. E., Caucasian ⚔, * 1797; taken prisnr. by Russ. 1859, † 71 Medina.

Schank, Jno., Brit. ⚓ officer, * 1742, † 1823.

Schaper, Fritz, ♀, * 31/7 1841 Alsleben; prof. at Berlin 75.

Scharnhorst, Gerhard J. D., Prussn. genl., * 12/11 1756 Hanover; ent. Prussn. service 1801, genl. 04, began to re-organ. army 07, chief of Blucher's staff 13, † 28/6 13 Prague. /.

Schaumburg-Lippe, German principality N. of Lippe; 212 s.m., 36,000 inh. Cap. ⊙, Bückeburg; 3,500 inh. Prince, Adolf, * 1/8 1817, & Solomon's succ. 21/11 60.

Schechinah, or Shekinah, Jew. †, visible presence of Jehovah above mercy-seat in Tabernacle Temple.

Scheele, Karl W., Germ. ⚗, * 19/12 1742 Stralsund; discov. oxygen gas (indep. of Priestley) & chlorine 74, prussic acid, glycerine, &c.; / "Air & Fire," &c., † 24/5 86 Köping, Sweden.

Scheele's Green, ⚗, acid arsenite of copper; a brilit. grass-green piosonous pigment.

Scheemakers, Peter, Dutch ♀ in Eng., * 1691 Antwerp; executed monumts. of Dryden & Shakespeare in Westmin. Abbey, † 1773.

Scheffel, Jos. V. v., Germ. poet. & nov. /, * 16/2 1826 Karlsruhe, † 86.

Scheffer, Ary, Dutch ♛ ●, * 12/2 1795 Dordrecht, † 7/7 1858 Argenteuil.

Scheldt, or Schelde, ⚓ of W. Eur.; rises as the Escaut in Fr. dept. of Aisne, passes through Belg. into Zealand, falls into German Ocean; 250 miles.

Schelling, Fried. W. J. v., Germ. transcendental ♗, * 28/1 1775 Leonberg; prof. at Jena 98, Münich 1827, Berlin 41, † 20/8 54 Ragaz, Switz. / "Human Freedm." 09, &c.

Schemnitz, ⊙ in N.W. Hungary; 21,000 inh.; ⚒.

Scherer, 1] Ed. H. A., critic & statesm., * 8/4 1815 Paris; elected to Senate 75. 2] Wilh., Germ. ♛ /, * 20/4 1841 Schönborn; professor at Berlin, † 86.

Scherer, Barthél., Fr. genl., * 18/12 1747 Delle, † 19/8 1804 Chauny.

Scherr, Joh., Germ. ♛ /, * 3/10 1817 Rechberg; fled to Switzerland 49, professor at Zürich 60, † 86.

Scherzando, ♥, Ital. = playfully.

Scherzer, Karl v., Austr. explr., * 1/5 1821 Vienna; Novara expedition, E. Asia, 57–9, Smyrna 72. /.

Schiaparelli, Giov. Virg., ✶, * 1835 Savigliano; director of Milan observatory. /.

Schiavone, Andrea, Ital. ● & engraver, * 1522 Sebenico, † 82 Venice.

Schiedam, Dutch ⊙, S. Holland prov.; 22,000 inh.; gin ("Hollands").

Schiefner, Franz Ant., philol., * 18/7 1817 Reval, † 16/11 79 St. Petersburg.

Schiites, Shiites, †, 1 of 2 great divsns. of Mohamms. wh. reject the oral law; Persia leading Schiite nation, Turkey is Sunnite.

Schikaneder, Germ. ♪, * 1751 Regensburg, † 21/9 1812 Vienna.

Schiller, Johann C. F. v., Germ. poet. & ♛ /, * 10/11 1759 Marbach; ♪; prof. of ♛ at Jena 89, † 9/5 1805 Weimar. / *Räuber* 98, *Wallenstein* 99, 1800, *Lied v. d. Glocke* 1800, *Jungfrau v. Orleans* 01, *Wm. Tell* 04, &c.

Schilling, Johann, Sax. ♀, * 28/1 1828 Mittweida; erected Nat. Monument on Niederwald.

Schimmel, Hendr. J., Dan. ♪ & nov. /, * 30/6 1824 Gravesand.

Schimper, Karl F., Germ. ☘, * 15/2 1803, † 21/12 1867.

Schindler, J. Alex. (J. v. der Traun), Austr. nov. & poet. /, * 1818.

Schinkel, Karl F., Germ. ▲, * 13/3 1781 Neuruppin; desgnd. Roy. Museum, Berlin, &c., † 9/10 1841 Berlin.

Schipka Pass, ▲-pass of Balkans, betw. Bulgaria & Roumelia, forced by Russ. in war of 1877–78.

Schirmer, Joh. W., Germ. ●, * 5/9 1807 Jülich, † 11/9 63.

Schist, ⚒, rock of crystalline ●s arranged in layers.

Schlegel, 1] Elias, Germ. ♪ /, * 28/1 1718 Meissen, † 13/4 1849. 2] His neph., Aug. Wm. v., poet. & crit. /, * 8/9 1767 Hanover; prof. of art & / Jena 98, transl. most of Shakespeare 99–1810, prof. of ♛ Bonn 18, † there 12/5 45. "♪ /," &c. 3] His bro., K W. Fried., orientlst. & ⚖, * 10/3 1772 Hanover, † 11/1 1829 Dresden. / "♛ of Anct. & Mod. /" 15, &c.

Schleich, 1] Ed., Germ. landscp. ●, * 12/10 1812 Harbach, † 8/1 74 Munich. 2] Mart., ♪ /, * 1827, † 13/10 81 Munich.

Schleicher, Aug., Germ. philol., * 19/2 1821 Meiningen; prof. at Jena, † there 6/12 68.

Schleiermacher, Fried. E. D., Germ. †, * 21/11 1768 Breslau; prof. at Halle 1804, at Berlin 10, † 12/2 34. / transl. of Plato & Sermons, &c.

Schleswig-Holstein, Prussian prov. on German Ocean & Baltic, formed out of duchies of S. & H.; taken from Denmark 1864, incorpd. 66; 8,524 s.m., 1,130,000 inh. Chf. ⊙, S.; 14,000 inh. ⊙s: Altona, Flensburg, Kiel, Neumünster.

Schleusner, Joh. F., Germ. † /, * 1756; prof. at Göttingen, † 1831.

Schliemann, Heinrich, class. Ψ, * 1822 Ankershagen, Mecklenburg; excavations at Hissarlik (Troy), Mycenæ, Ithaca, &c. /.

Schlik, Franz, Austr. genl., * 28/5 1789 Prague, † 17/8 1862.

Schlosser, 1] Joh. G., /, * 1739 Frankfort-on-Main, † there 7/10 99. 2] Fried. Ch., ♛ /, * 17/11 1776 Jever; prof. at Frankfort & Heidelberg, † 23/9 61. "♛ of 18th Cent.," "♛ of World," &c.

Schlösser, Karl, German ♛ & genre ● in London, * 21/6 1836 Darmstadt.

Schlözer, Aug. Lud. v., Swed. ♛ /, * 1735; prof. at St. Petersburg, † 1809. Edited Nestor's works.

Schlüter, Andr., ♪ & △, * 20/5 1664 Hamburg, † 1714 St. Petersburg.

Schmarda, Ludwig K., Austr. naturalist & explorer, * 28/8 1819 Olmutz; round world 53–7, prof. at Vienna 62. /.

Schmauss, John Jas., Germ. ♛ /, * 1690 London; prof. at Gottingen 1734, † 57.

Schmeller, Jos. A., German philol., * 6/8 1785 Kirchenreuth; prof. at Munich, † 27/7 1852.

Schmid, 1] Herm. T., German ♪ /, * 30/8 1815, † 19/10 80. 2] Matthias, genre ● at Munich, * 14/11 1835 Paznau.

Schmidt, 1] Erasmus, Germ. philol. & math., * 1560, † 1637. 2] Mich. I., ♛ ("Father of Germ. ♛"), * 1736, † 94. 3] W. A., ♛ /, * 26/9 1812 Berlin; professor at Jena 60. "French Revolutn." &c. 4] Max, landscape ●, * 23/8 1818 Berlin; prof. at Konigsberg.

5] Edward S.-Weissenfels, Germ. nov. & ♛ /, * 1/9 1838 Berlin.

Schnaase, Karl, Danish ♛ /, * 7/9 1798 Dantzic, † 20/5 1875 Wiesbaden.

Schneckenburger, Max, Germ. poet. /, * 17/2 1819, † 3/5 49 Burgdorf.

Schneider, 1] Hortense C., Fr. ♪ singer, * 1835 Bordeaux; to London 68, m. & retired 81.

2] Jean G., Germ. philol. & natrlst., * 1750, † 1822. 3] Eulog., * 20/10 1756 Wipfeld; Francisc. friar 77, prof. at Bonn 89, at Strasburg as officer of Reign of Terror 91, imprisoned 93, † by guillotine 1/4 94 Paris. 4] Fried., ♥, * 3/1 1786 Altwallersdorf, † 23/11 1853. Oratorios, sonatas, &c. 5] Louis, Germ. /, * 29/4 1805 Berlin, † 16/12 78 Potsdam.

Schneidewin, Fried. W., Germ. philol., * 6/6 1810 Helmstedt; prof. at Göttingen, † 10/1 56.

Schnitzer, Edwd. (Emin Pasha), naturalist & explorer, * 28/3 1840 Oppeln, Silesia; travels in Arabia & Asia Minor, govr. of Lake Provs. of Soudan under Gordon, blockaded at Wadelai 83–88.

Schnorr v. Carolsfeld, 1] Jul., ♛ /, * 26/3 1794 Leipzig, † 24/5 1872 Dresden. 2] His neph., Ludwig, ♪ singer, * 2/7 1836 Munich, † there 21/7 65.

Schöffer, Peter, Germ. printer, associate of Fust, † 1502.

Scholasticism, † & ☠, accommodation of anct. ☠ to Christianity; movement began 8th cent., reached climax in 13th (under Aquinas & Scotus), was checked by R. Bacon & Occam, subsided at Renaissance.

Scholefield, James, Eng. † & class. editor, * 1789; Reg. Prof. of Greek at Cambridge, † 1853.

Schöll, 1] Max. S. F., Germ. ♛ /, * 1766, † 1833. 2] Gust. A., /, * 1805 Brünn, † 26/5 82 Weimar.

Scholz, Johann M. A., German Rom. Cath. †, * 1794, † 1852.

Schömann, Geo. F., philol., * 28/6 1793 Stralsund; prof. at Griefswald, † 25/3 1879.

Schomberg, 1] Armand F., dk. of, soldr. of fortune, * 1619; served in Swed. & Fr. armies, to Eng. w. Pr. of Orange (William III.), cr. dk., com.-in-chf. in Ireland, slain ⚔ of Boyne 90. 2] Henri de, French marsh., * 1575; commd. at siege of Rochelle, drove Eng. out of Isle of Rhé, govr. of Languedoc, † 1632.

Schomburgk, Sir Robert H., Germ. explr. & naturalist, * 5/6 1804 Freiburg; entrd. Brit. diplom. serv., to Siam 57, † 30/3 85 Schoneberg. /.

Schönbein, Christ. F., Germ. ⚗, * 18/10 1799 Metzingen; prof. at Basle, discovrd. ozone, invtd. guncotton, † 29/8 1868 Baden-Baden.

Schönbrunn, imperial palace & park near Vienna.

Schöngauer, Mart. (Mart. Schön), Germ. ✒ & engraver, * ca. 1440 Augsburg, † 2/2 88 (92?) Colmar.

Schöning, Gerard, Dan. ♛ /, * 1722, † 80.

Schönlein, Joh. L., Germ. ⚕, * 30/11 1793 Bamberg; prof. at Berlin, † 23/1 1864. /.

Schoolcraft, Hy. R., American explor. & ethnol., * 1793 Albany; discvd. source of ⅄ Mississippi 32, † 64. /.

Schooner, ⚓, vessel with 2 or 3 masts, w. fore-&-aft sails (*i.e.*, extd. on booms). Topsail S.s carry on foremast a sqr. topsail & sqr. topgallant sail.

Schoovel, Jan v., Dutch ✒, * 1495, † 1562.

Schopenhauer, Arthur, Germ. pessimist ☠, * 22/2 1788 Dantzic, † 21/9 60 Frankfort-on-M. / "World as Will & Idea" 19 (trans. into Eng. 86), &c.

Schopp, Caspar, Germ. philol. & R. Cath. †, * 1576, † 1649.

Schott, 1] And., Germ. Jesuit & class. ed., * 1552, † 1629. 2] Wilh., orientalist, * 3/9 1806 Mayence; prof. at Berlin 38. /.

Schouvaloff, Peter, cnt., Russ. diplom., * 15/7 1827 St. Petersburg; govr. of Baltic Provs. 64–6, chf. of Secret Police 66–74, amb. to London 74–9.

Schouw, Joachim F., Dan. ✠, * 7/2 1788 Copenhagen; prof. there, † 28/4 1852. /.

Schrader, 1] Jul., Germ. ♛ ✒, * 16/6 1815 Berlin; prof. there. 2] Eberhard, Assyriol., * 5/1 1836 Brunswick; prof. at Berlin 75. /.

Schramm-Macdonald, Hugo, lexicograph. at Dresden, * there 9/12 1837.

Schreber, Joh. C. D. v., natrlst., * 16/1 1739; prof. at Erlangen, † 10/12 1810.

Schrevelius, Cornelius, Dutch critic & lexicog., * 1615 Haarlem; rector of Leyden univ., † 64.

Schröder, 1] Johann J., Germ. orientalist & †, * 1680, † 1756. 2] Fried. L., ♪, * 3/11 1744 Schwerin, † 3/9 1816. 3] Sophie, *née* Bürger, * 23/2 1781 Paderborn, † 25/2 1868 Munich.

Schrödter, Ad., ✒, * 28/6 1806 Schwedt, † 9/12 75 Karlsruhe.

Schubert, Franz P., ♪, * 31/1 1797 Vienna, † there 19/11 1828;

comp of 600 songs, with operas, sonatas, &c.

Schulenburg, Johann M., German offr., * 8/8 1661; fought under Sobieski agst. Chas. XII. of Sweden, entrd. Venetian service 1711, defend. Corfu 16, † 14/3 47 Verona.

Schulhoff, Jul., 𝄞, * 1825 Prague. "Galop di Bravura."

Schultens, 1] Albrecht, Germ. orientalist & hebraist, * 1686; prof. at Leyden, † 1750. 2] His grandson, Heinrich A., orientalist, * 1749, † 98.

Schulze, 1] E., Germ. poet. /, * 22/3 1789, † 29/6 1817. 2] Fried. G., econ. /, * 28/1 1795 Gavernitz; prof. at Jena, † 3/7 1860.

Schulze - Delitzsch, Herm., economist, * 29/8 1808 Saxony, † 29/4 83; /; individualist.

Schumacher, Hein. C., Germ. ✎, * 3/9 1780 Bramstedt, † 28/12 1850.

Schumann, 1] Robt. A., 𝄞 comp. & /, * 8/6 1810 Zwickau, † by suic. in asylum 29/7 56. Songs, orchest. & pforte. works, operas, &c. 2] His wife, Clara (*née* Wieck), pianist, * 13/9 1819 Leipzig; 1st appearance 29, *m.* 40.

Schurz, Karl, Amer. statesm. & misc. /, * 2/3 1829 near Cologne; settled in U.S.A. 52, Amer. Min. to Spain 61, fought in Civ. War 62–5, senator 69, Sec. of Inter. 77–81, ed. *Evening Post* (N.Y.) 81, to Eng. 88.

Schütz, Hein., Germ. 𝄞, * 1585, † 1672. Motets, &c.

Schwab, Gust., Germ. poet. /, * 19/6 1792 Stuttgart, † there 4/11 1850.

Schwann, Theod., Germ. naturalist, * 7/12 1810 Reuss, † 11/1 82 Cologne. /.

Schwanthaler, Lud., Germ. ⌕, * 26/8 1802 Munich, † there 15/11 48.

Schwarz, 1] Christ. F., Germ. missionary in India, * 26/10 1726 Sonnenburg, † 13/2 98 Tanjore. 2] Berthold, Cordelier monk of Goslar, ⚗, 14th cent., inv. gunpowder.

Schwarzburg - Rudolstadt, Germ. principality in Thuringia; 363 s.m., 84,000 inh. Prince, Georg, 23/11 1838, suc. 26/11 69. Cap. ⊙, R.; 8,000 inh.

Schwarzburg - Sondershausen, Germ. principality in Thuringia; 333 s.m., 74,000 inh. Prince, Karl, * 7/8 1830, suc. 17/7 80. Cap. ⊙, Sondershausen; 6,000 inh.

Schwarzenburg, 1] Karl P., Prince v., Austr. genl. & statesm., * 12/4 1771 Vienna; generaliss. of allies 1813–14, vict. at ⚔ of Arcis-sur-Aube 20/3 14, † 15/10 20 Leipzig. 2] His neph., Felix L., Prince v., diplom. & administ., * 1800; restrd. order after revolution of 48, † 52.

Schwarzwald, *v.* Black Forest.

Schwegler, Alb., Germ. ✍ & ⌐ /, * 10/12 1819 Michelbach; prof. at Tubingen, † 5/1 57.

Schweighäuser, Joh., Germ. philol., * 1742, † 1830.

Schweinfurth, G. A., Afr. explr., * 29/12 1836 Riga; ✉ expeditn. to Nile Valley 63–6, discvrd. ⅄ Welle (Aruwini) 68.

Schweitzer, Jean B. v., poet. / socialist, * 12/7 1833 Frankfort-on-Maine, † 28/7 75.

Schwerin, Germ. ⊙, cap. of and duchy of Mecklenburg-S., on Schweriner See; 31,000 inh.; cathed.

Schwerin, 1] Karl C., Prussian genl., * 26/10 1684 Pomerania; srvd. under Fredk. the Gt., † 6/5 1757 ⚔ Prague. 2] Maximil., statesm., * 30/12 1804 Pomerania, † 3/5 72 Potsdam.

Schwind, Mor. v., Austr. ✎ & designer, * 21/1 1804 Vienna, † 8/2 71 Munich.

Schwyz, a centr. Swiss canton, W. of Glarus, S.W. of St. Gall; ▲ous, ▲ Rigi; 351 s.m., 52,000 inh. Chf. ⊙, S.; 6,000 inh.

Sciænidæ, ichth., maigres, sole fam. of divsn. *sciæniformes*; elongated, compressed, covd. w. ctenoid scales; all edible; trop. & sub-trop. coasts of Atlant. & Ind. Oceans.

Sciatica, ✱, neuralgia affectng. the sciatic nerve; acute pains in back of thigh, knee, &c.; treated w. voltaic currents.

Scilicet, Lat. = to wit; namely.

Scilly Islands, group of *ca.* 150 Brit. islands & rocks 30 m. W. of Land's End, w. a circumf. of *ca.* 30 m.; 6 inhab.; St. Mary (largest, 2 s.m.), Trescoe, St. Martins, St. Agnes (lightho.), Sampson, Bryher; *ca.*; 2,400 inh. Chf. ⊙, Hugh Town, on St. Mary. Daffodils.

Scinde, *v.* Sind.

Scink, Skink, zool., fam. *scincidæ* of smooth-scaled lizards; wide range.

Scio, Chio, anct. Chios, Turk. island in Ægean Sea, at entrance to Gulf of Smyrna, 7 m. fr. coast of Asia Minor; 400 s.m., 40,000 inh. Chf. ⊙, S., or Kastro; 18,000 inh. Massacre by Turks durg. Grk. insurrec. 1822; earthqk. 81. ⚓ reputed birthplace of Homer.

Scipio, 1] Pub. Cornel. ("S. Africanus"), Rom. genl., * 234 B.C.; pro-consul in Spain 210, drove out Carthaginians, deftd. Hannibal ⚔ Zama 19/10 202, retired *ca.* 185, † *ca.* 183. 2] His bro., Lucius Cornel. ("S. Asiaticus"), deftd. Antiochus 190 B.C. 3] Pub. Æmilianus ("S. Africanus Minor"), * *ca.* 185 B.C.; took Carthage 146, assassd. *ca.* 129.

Scire facias (Lat. = make to know), ⚖, writ to show cause why judgmt., &c., shld. not be executed, or annulled.

Scirpus, ❀, gen. of sedges; *ca.* 50 specs., includg. S. lacustris, bulrush.

Sclater-Booth, Geo. (*né* Sclater), statesm., * 1826 London; M.P. 57–87, minor posts, Presdt. of Loc. Govt. Bd. 74–80, created Baron Basing 87.

Scolopacidæ, ornith., fam. of wading birds, includg. snipes, sandpipers, & curlews; long, pointed wings; 21 gen.; universal distribution.

Scolytus, entom., gen. of beetles; includs. *S. destructor*, commn. in Eng., which attacks the elm.

Scombresocidæ, ichth., fam. of carniv. physostomous fishes, wh. includes garfish, flying-fish.

Scombridæ, ichth., mackerels; fam. wh. includs. the true mackerel, tunny, sucking-fish, &c.; 7 genera.

Scone, village in Perthsh., on ⚓ Tay; 1,500 inh. Scotch kings were crowned here on stone brought to Westm. Abbey by Edward I.

Scopas, Grk. ⚲ 4th cent. B.C.; exec. E. side of tomb of Mausolus.

Score, ♪, copy of a work in wh. all the parts are shown, either fully or compressed.

Scoresby, 1] Wm., Arct. expl., * 1789 Yorks.; survyd. coast of Greenland 1822; magnet. investigns., &c., † 57. ✓. 2] His fath., whaling capt., * 1760, † 1829. Life by 1.

Scorpæna, ichth., hog-fishes; gen. of sm. carniv. ⚓ fishes, *ca.* 50 specs., w. spines; burrow in sand; tropical & sub-tropical seas.

Scorpio, ♏, zodiacal constelltn. betw. Libra & Sagittarius; 44 stars, 1 (Antares) of 1st mag., 1 of 2nd, 11 of 3rd.

Scorpion, zool., fam. *scorpionides*, nocturnal; Europ. specs. 3 to 4 in. long, Africa & S. Amer. 9 or 10 inches; painful sting.

Scorpion Grass, forget-me-not.

Scorzonera, ❀, genus of order *compositæ*; includes *S. hispanica*, cultivated for edible root.

Scot, 1] Reginald, ✓ on witchcraft, * 1545, † 99. 2] Alex., poet. ✓ 16th century.

Scoter, ornith., gen. *oidemia*, of duck fam.; 3 specs. visit Brit.: *O. nigra* (common S.), *O. fusca* (velvet S.), *O. perspicillata* (surf S.).

Scotists, †, followers of Duns Scotus.

Scotland, N. kingdom of Great Brit., seprtd. fr. Eng. by ⚓ Tweed, Cheviot Hills, & Solway Firth; 287 m. long, 32 to 146 m. broad, 2,500 miles of coast-line; 30,685 s.m. (includg. islands), *ca.* 3,800,000 inh. ⛰*s*: Grampians, Cheviots. ⚓*s*: Ben Nevis (highest), B. Macdhui, B. Lawers, B. Cruachan, B. More, B. Lomond. ⚓*s*: Tweed, Clyde, Tay, Dee, Don, Spey. *Islands*: Hebrides & Orkneys. *Bays*: Firth of Forth, F. of Tay, F. of Lorn, Moray

F., Solway F., F. of Clyde. *Lks.* (lochs): Lomond, Ness, Awe, Shin, Maree, Tay, Erich, Shiel, Lochy, Katrine. Cap. ⊙, Edinburgh. Chf. ⊙s: Leith, Glasgow, Aberdeen, Dundee, Perth, Greenock, Dumfries, Banff, Wick, Kilmarnock, Paisley; 33 counties. *Products & mnfs.*: grain, coal, iron, lead, slate, granite, cotton, wool, linen, paper, silk, shipbuilding, whisky, fisheries. 16 representative peers elected by Scot. peers for each Parlt.; 72 M.P.s. At the Union the judiciary & Church were left intact. Estabd. Church, Presbyterian. ♛: anct. Caledonia; Picts & Scots united by Kenneth II. 834; indep. of Eng. secured at ⚔ Bannockburn by Robt. Bruce 1314; James VI. succeeded Q. Elizabeth 1603; contest betw. Stuart kings & Presbyterians; Act of Union 1707; rebellions 1715, 45. *v.* Great Britain.

Scott, Walt., *nov.*, *poet.*, & *misc.* ✓, * 15/8 1771 Edinburgh; bought Abbotsford 1811, bart. 20, lost fortune 26, † 21/9 32 Abbotsford, burd. Dryburgh Abbey. "Lay of Last Minstrel" 05, "Marmion" 08, "Lady of Lake" 10, "Don Roderick" 11, "Rokeby" 13, "Bridal of Triermain" 13, "Waverley" 14, "Ld. of Isles" & "Guy Mannering" 15, "Antiquary," "Old Mortality," & "Black Dwarf" 16, "Heart of Midloth." & "Rob Roy" 18, "Bride of Lammermoor" & "Legend of Montrose" 19, "Ivanhoe," "Monastery," & "Abbot" 20, "Kenilworth" 21, "Pirate" & "Nigel" 22, "Peveril" & "Quent. Durward" 23, "St. Ronan's Well" & "Red Gauntlet" 24, "Betrothed," "Talisman," & "Lives of Novelists" 25, "Woodstock" 26, "L. of Napoleon" 27, "Tales of a Grandfath." 27–30, "Fair Maid of Perth" 28, "Anne of Gierstein" 29, "Demonol. & Witchcraft" 30, "♛ of Scotland" 29–30, "Count Robert of Paris" & "Castle Dangerous" 31. Life by Lockhart. 2] Clement, ✆ ✓ & critic, * 6/10 1841 London; ed. *Theatre*; "Lays of a Londoner" 32, *Odette, Cape Mall, Sister Mary*, &c. 3] Robert, † & class. scholar, * 1811 Devon; master of Balliol 54, prof. of exegesis Oxford 61, dean of Rochester 70; ✓ (w. Liddell) of "Grk. Lexicon" 43, † 1888. 4] Dav., Scotch ●, * 1806, † 49. 5] Geo. Gilbt., ⚠, * 1811 Gawcott; A.R.A. 55, R.A. 61, kntd. 71, presdt. of Inst. of ⚠s 73; desgd. Albert Memorial, For. Office, &c., † 17/8 78. ✓. 6] Mich., Scot. humorist, * 1789 Glasgow, † 1835. ✓ "Cruise of the *Midge*" 36, &c. 7] Wm. Bell, poet, ●, & etcher, bro. of 4, * 1811 near Edinburgh. ✓ "Poems by a ●" 64, &c. 7] Winfield, Amer. genl., * 13/6 1786 Virginia; took Vera Cruz 47, entered Mex. ⊙ 48, † 29/6 66 Washington. ✓. 8] Thos., Evang. † & commentary ✓, * 1747 Lincs., † 1821. "Force of Truth" 1799, &c. 9] Michael, schol. & scient., * 13th cent. Fifesh. (?); subject of legend & poetry. 10] Dav., Scot. ♛ ✓, * 1675, † 1742. 11] John, misc. ✓, * 1790, † in duel 1821. 12] John, Eng. poet. & crit. ✓, * 1730, † 83. 13] John, Eng. †, * 1638; canon of Windsor, † 94. ✓. 14] John, *v.* Eldon. 15] And., Scot. poet. ✓, * 1757, † 1839.

Scotus, *v.* Duns & Erigena.

Scougal, Hy., Scot. Episcopal. †, * 1650; professor at Aberdeen, † 78.

Scourge of God, *Virga dei* = Attila, king of Huns. Phrase first used in Hungarian chronicles ca. 450.

Scraggs, Wm., Eng. ⚖, * 1628 Oxfordsh.; judge of Comm. Pleas 76, chf. of King's Bench 78, remvd. 81, † 83.

Scranton, ⊙ of Pennsylvania, U.S.A., on ⚓ Lackawanna; 50,000 inh.

Screamers, *v.* Palamedea.

Screw, ⊕, considered 1 of the 6 ⊕ powers; really modification of inclined plane. External, or male,

S., convex; internal, or female, concave.

Screw Pine, ♃, trop. gen. *pandanus;* aërial roots descend fr. all parts of stem; leaves like those of P.-apple.

Screw Propeller, ⚓ ⊛, spiral blade on cylindrical axis (shaft, or spindle), parallel w. keel of vessel, made to revolve by steam power beneath surf. of water, usually at stern, as means of propulsion. Invented by Shorter, Eng. ⊛, 1802, but not appld. till 40; twin screws used 60.

Scribe, Aug. Eug., Fr. ✆ ✓, * 24/12 1791 Paris; member of Fr. Acad. 1836, † 20/2 61 Paris; 400 plays & operas; *Adrienne Lecouvreur.*

Scriptorium, ⚠, room in abbey or monastery where MSS. were copied.

Scrivener, Fredk. H. A., † & Grk. schol., * 1813; editor of Greek Testament, &c.

Scrofula, ✝, struma; constit. disease, often inherited, causing chron. inflam. of glands, joints, &c., & sometimes leading to tuberculosis: treated with sea-air, iodine, iron, & cod-liver oil. *v.* King's Evil.

Scrope, 1] Geoffrey le, Eng. ♈ & ⚔; Chf. Just. of Com. Pleas, then of King's Bench, † 1340. 2] His bro., Hy. le, ♈, † 1336. 3] Richd. C., ⚔ & statesman, * 1328; son of 2; Chanc. 78, † 1403. 4] G. Poulett (*né* Thomson), ⚒ & polit., * 1797; M.P. for Stroud 1833–68, † 19/1 76. ✓.

Scrophulariaceæ, ♃, fig-worts, linariads; large order of herbs or shrubs; world-wide distribution; 176 gen., 1,314 specs.; includes foxglove, musks, calceolarias, yellow rattle, &c.

Scruple, Apothecaries' weight, 20 grns., ⅓ drachm; ℈.

Scrutin de Liste, one mode of voting at elections for Fr. Chamb. of Deputies, country being divd. into deptmts., & each elector votg. for as many candidates as there are vacancies. In S. d'Arrondissement the divisn. is into sm. districts, & each elector votes for only 1 person. S. de L. was used 1848, 49, 71, 75, & proposed for 81, but Senate objected. Introd. into Italy 82.

Scurvy, ✝, form of anæmia arising from deficiency of vegetable diet.

Scurvy Grass, ♃, gen. *cochlearia,* of order *cruciferæ;* herbs. Common S. G. (Brit. & N. Eur.) remedy for scurvy.

Scutage, ♈, feudal tax on land in lieu of knight service; first levied by Henry II. 1159.

Scutari, 1] suburb of Constantinople, on Asiatic side of Bosphorus; 80,000 inh. Barracks used as hospital for British troops in Crimean War. 2] ⊙ of European Turk., in Albanian prov. of S., on Lake of S.; 40,000 inh.

Scutcheon, *v.* Escutcheon.

Scutum, ⚔, semi-cylind. oblong shield of heavy-armed Roman infantry.

Scylla, *v.* Charybdis.

Scythia, anct. ⊙, vague name for country N. & E. of Black Sea, Caspian, & Sea of Azov.

Sea Anemone, zool., pop. name for invertebrate fam. *actinidæ,* esp. gen. *actinia.*

Sea Cow, any of the Sirenia fam.

Sea Cucumbers, *v.* Holothuridæ.

Sea Eagle, ornith., gen. *haliaëtus;* 7 species, 2 European: White-tailed E., or Erne (Scotland & Ireland), & Pallas's S. E. (Russia); feed on fish & carrion.

Sea Elephant, Elephant Seal, zool., *macrorhinus elephantinus* (or *proboscideus*), large seal; male w. short dilatable proboscis.

Sea Horse, 1] ichth., gen. *hippocampus* of ⚓ fishes, of pipe-fish fam.; *ca.* 20 species; head & fore-parts like those of H. 2] Zool., popular name for walrus.

Sea Kale, ♃, gen. *crambe,* esp. *C. maritima;* cultivated in gardens as vegetable.

Sea Lemon, zool., gen. *doris* of molluscs; no shell; outline resembles a L. cut in half longitudinally.

Sea Lilies, zool., crinoids like star-fishes, but w. a stalk by which they attach themselves; chiefly fossils.

Sea Lion, Eared Seal, zool., gen. *otaria*, esp. *O. stelleri*, Hair Seal; differ from true seals in having external ears, & in being able to walk on all fours; several species yield valuable fur.

Sea Lizard, palæont., the *enaliosauria*.

Sea Mat, zool., gen. *flustra* of *polyzoa*; consists of calcareous stem & branches (called White Sea-weed) honey-combed w. cells, the habitations of the animals (zooids).

Sea Mouse, zool., gen. *aphrodite* of ⚓ worms; seen on beaches after storms.

Sea Pen, zool., fam. *pennatulidæ*; central stem fringed with feather-like processes wh. bear the animals, *polypes*.

Sea Pink, *v.* Thrift.

Sea Serpent, animal of huge size & serpentine form said to inhabit sea, but of which nothing definite is known.

Sea Urchin, zool., inverteb. ⚓ fam. *echinidæ*; animal inclosed in globular shell.

Sea Weed, *v.* Algæ.

Sea Wrack, ✱, *zostera marina*.

Seal, zool., fam. *phocidæ*; 21 specs., 5 in Brit. waters; yield oil. *v.* Sea Lion.

Sealing Wax, composed of shellac, Venice turpentine, & colouring matter.

Sealsfield, Chas. (Chas. Postel), nov. ✓, * 3/3 1793 Poppitz; to U.S.A., † 26/5 1864.

Seaton, John Colborne, Lord, Brit. genl., * 1777; servd. in Peninsula & at Waterloo, Govr.-Genl. of Canada, Lord High Commissnr. of Ionian Islands, com.-in-chf. in Ireland, peer 1839, field-marsh. 60, † 17/4 63.

Seb, Egypt. myth., god of time, father of Osiris, Isis, & Typhon.

Sebastian, 1] St., martyr, * 255 Narbonne, executd. 288 Rome. 2] King of Portugal, * 1544; succ. 57, † in ⚔ Alcazar-Quivir 4/8 78.

Sebastiani, Franç. H. B., count, Fr. marsh. & diplom., * 10/11 1772 Porta; amb. to Turk. 1806, † 21/7 51.

Sebastopol, Sevastopol, Russ. ⚓ ⊙ on S.W. coast of Crimea; *ca.* 12,000 inh.; siege 54–5, ⚒s destroyd.; pop. before Crimean War 35,000.

Secchi, Angelo, Ital. ✱ & Jesuit †, * 28/7 1818 Reggio; invented meteorograph, † 26/2 78 Rome. ✓.

Secessionists, †, those who left Scot. Estab. Ch. 1733. In 1847 the S.s formed (with others) the United Presbyterian Ch.

Seckendorf, Fried. H., Germ. ⚔ & diplom., * 1673; entrd. serv. of Augustus of Poland, ambass. to Hague, &c., fought under Eugène against Turk., † 1763.

Secker, Thos., †, * 1693; bp. of Bristol 1735, of Oxford 37, archbp. of Canterbury 58, † 3/8 68. ✓.

Secondary Planet, ✱, a P. wh. revolves round another.

Secondary Rocks, ⚒, all sedimentary & fossilif. R.s, as distinct from Primary R.s below & Tertiary above; include Triassic, Liassic, Oolitic, Neocomian, & Cretaceous.

Secretary Bird, ornith., *serpentarius secretarius*, S. Africa; kills venom. serpents; named fr. resemb. of crest to pen behind a clerk's ear.

Secretary of State, Cabinet Minister who superintends a department of the Govmt. In all five—Home, Foreign, Ind., Colon., & War departments; salary £5,000.

Secretion, anim. & veget. physiology, 1] process by wh. certain matters are collected & discharged, either for further use (*e.g.* bile), or for elimination (*e.g.* perspiration). 2] The matter so discharged.

Sector, 1] geom., portion of circle bounded by 2 radii & an arc. 2] ⚙, instr. for laying down plans, measurg. angles, &c., in surveying.

Secular Clergy, R. Cath. †, C. not bound by *monastic* vows.

Secularism, name given by G. J. Holyoake to an ethical system founded on natural morality, apart from theology.

Secunderabad, Brit. ⚔ station in Nizam's dominions, 16 m. N.E. of Haidarabad; 19 s.m., 32,000 inh.

Secundum Artem, Lat. = according to art; skilfully.

Sedaine, Mich. J., Fr. ✆ /, * 1719, † 97.

Sedan, Fr. ♚ ⊙ on ⅄ Meuse, Ardennes deptmt.; 16,000 inh.; ⚔ 2/9 1870, Napol. III. (w. 90,000 men) surrendered to William of Prussia.

Sedgemoor, plain in Somerset; ⚔ 5/9 1685, Monmouth defeated.

Sedges, ✿, popular name for ord. *cyperaceæ*; extensive & widely distributed.

Sedgwick, 1] Adam, ⚒, * 1786 Dent; Woodwardian prof. of ⚒ Camb. 1818, Copley medallist 63, founded Camb. ⁂ Society, † 27/1 73. /. 2] Catherine M., Amer. nov. /, * 1789 Stockbridge, Mass., † 31/7 67.

Sedley, Sir Chas., Eng. poet. & misc. /, * 1639, † 1701.

Sedum, ✿, stonecrop; gen. of *crassulaceæ*; 120 species, herbs; N. temperate & Arctic zones.

Seebohm, Fred., ♛ & misc. /, * 23/11 1833 Bradford. "Eng. Village Communities" 83.

Seed, ✿, a fertilised ovule containg. within *testa* (coat) the embryo, with (in many cases) food-material, which is either albuminous or exalbuminous.

Seeland, *v.* Zealand.

Seeley, John Robt., class. edit., ♛, & † /, * 1834 Lond.; Lat. prof. London Univ. 63, prof. of modern ♛ Camb. 69. / "Ecce Homo" 66, "Natural Religion" 82, "Expansion of England" 83, &c.

Seemann, Berthold, Germ. naturalist, * 1825, † 10/10 71. / in English.

Segment, geom., portn. of circle cut off by chord or line (its base).

Segno, *v.* Al Segno.

Segovia, Span. *prov., part of* anct. *prov. of O. Castile*; 3,460 s.m., 150,000 inh. Chf. ⊙, S.; 13,000 inh.

Ségur, Paul Phil., count, Fr. ♛ /, * 4/11 1780; genl. 1812, † 73. "♛ of War of 1812," &c.

Seidl, 1] Joh. G., poet. & misc. /, * 21/6 1804 Vienna, † there 18/7 75. 2] Franz Xav., Germ. poet. /, * 5/6 1845 Regensburg; prof. there.

Seidlitz Powder, ℞, mild aperient: Rochelle salt (120 grs.) & bicarbonate of soda (40 grs.) in one paper, & tartaric acid (35 grs.) in anoth.; imit. of compositn. of nat. ⊕ water of Seidlitz, Bohemia.

Seimin, Jap. ✆, 19th cent.; tortoises.

Seine, Fr. metropol. departmt.; 184 s.m., 2,800,000 inh. Chf. ⊙, Paris. Named from ⅄ S., which rises in Côte-d'Or deptmt., falls into Eng. Channel at Havre; 470 m.

Seine-et-Marne, Fr. inland depart.; 2,215 s.m., 350,000 inh. Chf. ⊙, Melun; 9,000 inh.; ⅄s, S. & M.

Seine-et-Oise, Fr. inland department; 2,164 s.m., 580,000 inh. Chf. ⊙, Versailles; ⅄s, S. & O.

Seine-Inférieure, Fr. deptmt. on English Channel; 2,330 s.m., 820,000 inh. Chf. ⊙, Rouen.

Seismograph, ⊛ instrumt. for recording period, extent, & direction of each vibration in an earthquake.

Seismology, study of earthqks.

Seismometer, ⊛, a seismograph.

Seismoscope, ⊛, earliest form of seismograph, first invented by Choko, a Chinaman, 136.

Sejanus, Ælius, Rom. knight, friend of Tiberius, murd. Drusus, executed 31.

Selborne, Roundell Palmer, E. of, ⚖, statesm., & † /, * 27/11 1812 Mixbury; M.P. 47, Q.C. 49, Sol.-Genl. 61–3, Att.-Genl. 63–6, Ld. Chanc. & baron 72–4, 80–5, earl 82, refused office 86.

Selden, John, Eng. ⚖, statesm., & Ψ, * 1584; imprisd. by Jas. I. &

Chas. II., defended Hampden, Keeper of Records in Tower 43, † 54. /.

Selene, Grk. myth. (= Roman Luna), moon-goddess; mother of 50 daughters by Endymion.

Selenite, crystallised gypsum.

Selenium, ♘, rare non-metallic hexad element, discovd. by Berzelius 1817; intermed. betw. sulphur & tellurium; symb., Se; at. wt. 79·5; boils below red heat, & gives off deep yellow vapour, wh. condenses in scarlet flowers; under action of nitric acid yields selenious acid.

Seleucidæ, Syrian dyn. founded by Seleucus Nicator 312 B.C., ended 64 B.C., when Syria became a Roman province.

Seleucus ("Nicator"), fnder. of Seleucidian dyn., * 354 B.C.; offr. und. Alex. the Great, at his death govr. of Babylon, secured indep. & extended kingdom to ⅄ Indus on E. & Macedonia on W., † 281.

Self-denying Ordinance, Eng. ♔, Act passed by Long Parlt. 3/4 1645 (at Cromwell's instigation), excluding members of both Houses from civil or ⚔ office.

Selim, Turkish sultans: 1] I., * 1467; assassd. his fath., Bajazet II., & his brothers; annexed Mesopotamia, Syria, & Egypt, † 22/9 1520. 2] II., * 1522; suc. 66, † 74. 3] III., son of Mustafa III., * 1761; suc. 89, strangled 1808.

Seljuk, founder of Turk. dyn. in Persia 11th cent.; orig. a Turkoman shepherd.

Selkirk, S.E. Scot. co., formerly called Ettrick Forest; 260 s.m., 26,000 inh.; rets. (with Peebles) 1 M.P. Chf. ⊙, S.; 6,000 inh.

Selkirk, Alex., Scot. ⚓, * 1676; joined crew of buccaneers in South Amer. seas, left on island of Juan Fernandez, lived there alone 4 yrs., afterwards lieut. R.N., † 1723.

Sella, Quint., Ital. statesm., * 1830 Biella; Min. 62, 64–5, 69, 71, † 84.

Sellon, Priscilla L., Anglican home missionary, * 1821, † 76.

Selters, Lower Selters, Prussian village; ⊕ spring of "seltzer"-water.

Selwyn, 1] Geo. Aug., †, * 1809; bp. of N. Zeald. 41, of Lichfield 67, † 11/4 78. /. 2] His bro., Wm., †, * 1806; canon of Ely 33, divin. prof. Camb. 59, † 24/11 75. /. 3] John R., s. of 1, †, * 1845; bp. of Melanesia 77.

Semaphore, apparatus w. movable arms for conveying informatn. by signals.

Semecarpus, ✿, gen. of *anacardiaceæ*; includes *S. anacardium*, Ind. marking-nut tree, juice of wh. yields black dye.

Semele, Greek myth., dau. of Cadmus, & mother by Zeus of Dionysius (Bacchus); consumed by lightning; afterwards translated to Olympus as Thyone.

Semibreve, 𝅝 = ½ breve, or 2 minims.

Semiquaver, 𝅘𝅥𝅯, ¼ quaver.

Semiramis, myth. Q. of Assyria. *v.* Ninus.

Semitic Languages, group of Asiatic & Afr. L.s, both living & dead: Hebrew, Chaldee, Phœnician, Aramaic, Assyrian, Arabic, & Ethiopic; all written fr. right to left; spoken by nations descended, according to Genesis, from Shem.

Semitone, ♯, ½ tone (*q.v.*).

Semler, John S., Germ. rationalistic †, * 18/12 1725 Saalfeld; prof. at Halle, † 14/3 91.

Semmering, ▲ in Styr. Alps, 10,000 ft.

Semmes, Raphael, privateer captn., * 1810; comd. *Sumter* & *Alabama* in Amer. Civ. War, escaped when latter was sunk off Cherbourg 19/6 1864. / "Cruise of *Alabama* & *Sumter*," &c.

Semnopithecus, zool., Sacred Monkeys; genus of apes, many species; S. Asia, Borneo, & Java.

Semonville, Chas. L. H., marq. de, Fr. diplom., * 1759 Paris; servd. under Louis XIV.; the Republic, Napoleon I., &c., † 1839.

Sempach, Sw. ⊙, Lucerne canton, on Lake of S.; 1,200 inh.;

⚔ 9/7 1886, Austrians defeated by Swiss.

Semper, Gottfr., Germ. ▲, * 29/11 1803 Altona, † 15/5 79 Rome.

Sempill, 1] Robt., ✓, * 1595, † 1659. 2] Francis, Scot. song ✓, * 1605, † *ca.* 80. 3] Sir Jas., Scotch satirical ✓ *temp.* James VI.

Sempronius, *v.* Gracchus.

Sen, Cheshub Chandra, Hindoo † & soc. reformr., * 1838; develpd. Brahmo Somáj 66, to Eng. 70, † 84.

Senaar, distr. of Soudan, betw. White & Blue Nile. Cap. ⊙, S., on Blue N. Annexed to Egypt 1820; subj. to Abdullah el Taashi, the Mahdi's successor 86.

Sénancour, Étienne P. de, Fr. miscellan. ✓, * 1770 Paris, † 1846.

Senate, Rom. ♛, body of elders, consisting of citizens of free birth, who exercised supreme legislative power. Upp. legisl. ho. in U.S.A., Fr., &c. The governing body of an Eng. university.

Senault, Jean F., preacher & † at Antwerp & Paris, * 1599, † 1672.

Senckenberg, Joh. C., Germ. ✝, * 1817 Frankfort-on-M., † there 72.

Seneca, 1] L. Annæus, Rom. ✍, son of 2, * *ca.* 4 B.C. Corduba (Cordova); banishd. to Corsica 41 A.D., recalled 49, apptd. tutor of Domitius (Nero), exctd. 65 Rome. 2] M. Annæus, fath. of 1, Rom. rhetoricn., * *ca.* 61 B.C. Corduba, † *ca.* 36 A.D.

Senecio, gen. of herbs of order *compositæ*; 500 specs., temp. & cold climates; 8 Brit., incldg. *S. vulgaris* (common S.), *S. sylvaticus* (mountain S.), & *S. viscosus* (stinking groundsel); also includes ragwort.

Senefelder, Aloys, inventor of lithography, * 6/11 1771 Prague, † 26/2 1834 Munich.

Senegal, 1] ⚓ of W. Afr.; rises Mt. Cero, falls into Atlantic; 1,000 m. 2] Fr. col. on W. Afr. coast, *ca.* 600,000 inh.; settled 1687.

Senegambia, dist. of W. Africa betw. Atlantic & Soudan; *ca.* 400,000 s.m., *ca.* 12,000 inh.; gum, beeswax, ivory, ground-nuts, teak: named fr. ⚓s Senegal & Gambia; French, Portuguese & British settlements. *v.* Gambia.

Senior, Nassau Wm., econom. & misc. ✓, * 1790 Compton; prof. of polit. econ. Oxfd. 1825–30, 47–62, † 4/6 64. "Conversatns. w. Thiers, Guizot, &c.," 78, &c.

Senior Optime, a 2nd-class man in math. honours at Cambridge. *v.* Wrangler.

Senna, ✿ & ✿, various specs. of *cassia*, incldg. *C. elongata*, *C. obovata*, *C. lanceolata*, & *C. æthiopica*; leaves yield purgative.

Sennacherib, Assyr. k.; succ. Sargon, his fath., 702 B.C.; enlarged Nineveh, assassd. 680.

Senreibai, Jap. art. in lac, 17th cent.

Sensationalism, ✍, doctrine that ideas are the outcome of sensation.

Sensitive Plant, ✿, *mimosa pudica* & *M. sensitiva*, possessg. a veget. irritability wh. makes them shrink fr. touch; leaves of *M. pudica* fold up when a train passes or a horse gallops by. Most other specs. of *M.*, & some other legumes w. compound leaves, are partially sensit.; also some *oxalidaceæ* (esp. *averrhoa bilimbi*, *oxalis sensitiva*, & *O. stricta*), *dionæa muscipula* (Venus's fly-trap), & *barbarea vulgaris* (comm. barberry).

Sensorium, anat., the brain & nervous system.

Sensory Nerve, anat., a N. wh. is an instrument of sensation, as distingd. from motion (Motor N.).

Seoni, distr. of Central Provs., Brit. Ind.; 3,252 s.m., 300,000 inh. Chf. ⊙, S.; 10,000 inh.

Sepal, ✿, segments, divsns., or leaves of a calyx. If only w. 1 S., calyx is monosepalous or gamosepalous; if 2, disepalous; if 3, trisepalous; if 4, tetrasepalous.

Sepia, zool., only recent gen. of *sepiadæ*; 30 spec., 2 Brit.: *S. biserialis*, & *S. officinalis*, common Cuttlefish, wh. secretes black fluid from which a dark brown pigment is prepared for artists.

Sepoy (Hind. *sipahi*) native soldier in Brit. army in India. Sepoy Mutiny 1857–59.

Sepp, John, Germ. R. Cath. ✝ & ♛ ✓, * 7/8 1816 Tolz; prof. at Munich 46.

Seppings, Robt., Eng. ⚓ △, * 1768; surveyor to Royal ⚓, recvd. Copley med., med. of Soc. of Arts, knighted, † 1840.

Septaria, ⚒, flattened balls of stone, wh. on being broken are seen to be separated inside into irreg. masses; mixture of lime & clay; burnt & ground they form hydraulic cement, which sets under water.

September, 9th mo. of year, 30 days; 7th mo. in Rom. Cal.: hence name (Lat. *septem* = seven).

Septembrista, Fr. ♛, organisrs. of massacre of loyalists 2, 3, 4/9 1792 in Fr. prisons after capture of Verdun by Prussians.

Septuagesima, ✝, 3rd Sunday before Lent, *ca.* 70 days bef. Easter.

Septuagint, ✝, Grk. version of Old Testament, begun *ca.* 280 B.C. at Alexandria by order of Ptolemy Philadelphus; so called because believed to have been executed by *ca.* 70 (really 72) learned Jews, or because 1st part occupied *ca.* 70 days.

Septum, ☠ & anat., partition.

Sepulchral Mounds, *v.* Tumuli.

Sepulveda, Juan G. de, Span. ♛ & ✝ ✓, * 1490, † 1573.

Sequani, Celtic tribe who in Rom. times inhabd. the part of Gallica Belgica which became Franche-Comté & Burgundy; named from ⚓ Sequana (Seine).

Sequin (Ital. *secchino*), anct. coin of Venice, &c. = *ca.* 9s. 3d.; in Turk. *ca.* 7s. 6d.

Seraglio, palace-harem.

Serajevo, or Bosna-Serai, chief ⊙ Bosnia; 22,000 inh.

Seraj-oo-Doulah (Surajah Dowlah), Nabob of Bengal; succ. his grandfath. 1756, took Calcutta same year, placd. prisnrs. in Black Hole, lost ⚔ of Plassey 23/6 1757, executed by Meer Jaffir same year.

Serampur, ⊙ of Hugli, Brit. India; 25,000 inh.

Seraphic Doctor, St. Bonaventura (*q.v.*).

Seraphic Saint, St. Francis d'Assisi.

Seraphim, ✝, angels of the highest order, mentioned in Bible only once—Isaiah vi. 2, 6.

Seraphine, 𝄞 instr. in which sounds were prodcd. by free reeds; inv. early this cent.; supersed. by harmonium.

Serapion, Arab ☠, 11th cent.; ✓ "De Simplicibus Medicamentis," MS. in Bodleian.

Serapis, Sarapis, myth. Egypt. god of Grk. origin; symb. of ⚓ Nile & of fertility.

Seraskier, Turk. = ⚔ general.

Serassi, P. A., biographer of Tasso, * 1721 Bergamo, † 91 Rome.

Serbonian Bog, lake of Serbonis, Egypt, covered w. sand, so that it cld. not be distinguish. fr. the land; figuratively, a difficulty fr. wh. there is no extrication.

Serenade, 𝄞, originally a composition, vocal or instrumtl., for use in open air at night; then a pastoral cantata; now a work of larger proprtns., resembling a symphony.

Serge, twilled cloth of worsted. S. silk, a coarse twilled silk.

Sergeant, in Brit. ⚔, non-commissioned offr., next above corpral. Colour-S., senior S. of a company; S.-Major, assistant to adjutant.

Sergel, Johann T., Swed. ☺, * 1740, † 1814.

Sergius, 1] Patriarch of Constantinople, † 639. 2] I., pope, * 685 Sicily; p. 687, † 8/9 701. 3] II., p. 844, † 27/1 847. 4] III., Conti ("Most Wicked of Men"), p. 904, † 911. 5] IV. ("Bocca di Porco"), p. 1009, † 13/7 1012.

Seringapatam, ⊙ of S. India, on island of S., in Kaveri ⚓, 10 m. N.E. of ⊙ of Mysore; 12,000 inh.; besgd. 1762, taken by Brit. 4/5 1799.

Serjeant, in Eng. ⚒, an obsol. soc. of barristers to wh. all judges belonged; abold. 1880. S.-at-Arms,

2 exec. offcrs. of the Ld. Chanc. & Speaker of the Ho. of Commons.

Serlio, Sebastiano, △ & ⚭ /, * 1475 Bologna, † 1552 Fontainebleau. "L'Architettura" 84.

Serous Fluid, *v.* Serous Membranes.

Serous Membranes, anat., M.s w. surface moistnd. by serum, which resembles the serum of the blood. They line cavities from wh. there is no outlet.

Serpent, 1] *v.* Snake. 2] ♨, curved wood instrumt., covered w. leather, mouthpiece like that of trombone; invented by Fr. priest 1590; almost superseded by ophicleide.

Serpentaria, *v.* Aristolochia.

Serpentine, ⊕, abundant green or yellow ⊕, a common constit. of rocks; hardness 2·5–4, spec. grav. 2·5–2·65; composed of silica 44·14, magnesia 42·97, water 12·89.

Serpentine Verses, V.s ending with the word w. wh. they begin.

Serpula, zool., gen. of worms of ord. *tubicola;* live in contorted calcareous tubes attchd. to stones, &c., on sea-shore; sevl. Brit. specs.

Serrano y Dominguez, Franc., dk. de la Torre, Span. genl., * 1810 San Fernando; captain-genl. of Granada 49, Regent 69, dict. 74, defeated Carlists 70, leader of Dynastic Left 75, † 26/11 85.

Serres, 1] Jean de Swiss ♛ / & †, * *ca.* 1540; apptd. ♛ographer of Fr. by Henri IV., † 31/5 98. 2] His bro., Olivier, ✓, * *ca.* 1539, † 2/7 1619. 3] Dominic, Fr. ⚓ ⚭ in Eng., * 1722; to Eng. as prisnr. 52, R.A. 68, † 3/11 92. 4] His w., Olive, Eng. landscp. ⚭, * 1772; natural dau. of Hy. Fredk., dk. of Cumberland; R.A., † 21/11 1834.

Sertorius, Quintus, Rom. genl., govrnd. Spain as independ. ruler 80–72 B.C., assassd. 72.

Sertularia, zool., gen. of compound organisms, same group as *hydra;* a branched plant-like stem, in cells of wh. the anims. (*polypes*) are carried; many Brit. species.

Serum, the pale yellowish thinner part of the blood.

Servais, Franç. A., ♨, cellist, * 6/6 1807 Halle, † there 25/11 66.

Serval, zool., *felis serval,* Afr. tiger-cat, like lynx; preys on antelopes, &c.; plains of Africa.

Servandoni, Giovanni J., Ital. △ & ⚭, * 22/5 1695 Florence; to Paris 1724, designed portal & lady chapel of St. Sulpice, † 29/1 66.

Servetus, Miguel (*né* Reves), Span. ✓ & † /, * 1509 Villanueva; to Paris 33, † by fire for heresy at Calvin's instigatn. 27/10 53 Geneva. "De Trinitatis Erroribus" 31, &c.

Servia, Serbia, ▲ous kingdom of Balkan Peninsula; 18,757 s.m., 1,900,000 inh. ⚓s: Danube, Save, Morava, Timok, Drina, Nisava. *Products:* maize, wheat, flax, hemp, tobacco, prunes, silk, wines. Revenue *ca.* £1,760,000, expend. *ca.* £2,000,000, debt £8,000,000; imports £2,000,000, exprts. £1,625,000; trade chiefly with Austria; rlwys. 150 m., telegs. 1,634 m.; peace ⚒ 13,000, war ⚒ 70,000, w. reserve of 58,000. Cap. ⊙, Belgrade; 40,000 inh. ⊙s: Kragujevatz, Nisch, Lescovatz, Alexinatz, Vranja. ♛: part of Rom. Emp., independent State 1043; Turk. prov. 1459; war against Turkey 1815–29, Milosch Obrenowich recognised as prince; und. protectn. of Great Powers 51; war w. Turk. 76–77, terr. extended by Berlin Treaty; unsuccess. war w. Bulgaria 86. Present k., Milan (Obrenowich), * 22/8 54; heredit. prince 30/6 68, king 6/3 82.

Service-tree, ♨, 1] *pyrus sorbus* or *P. domestica;* Eur. & W. Asia. 2] *P. tormentalis,* wild S.-T.; Brit.

Servius Tullius, 6th Rom. k.; succ. Tarquinius Priscus 578 B.C., murd. by son-in-law L. Tarquinius (afterwards Tarq. Superbus) 534.

Servus Servorum Dei, Lat. = servant of the servants of God; style of Popes of Rome, first assumed by Gregory the Great.

Sesamoid Bones, anat., small Bs. in tendons of hands & feet;

named fr. resemblance to seeds of *sesamum*.

Sesamum, ♃, typical genus of *sesameæ;* tropics. Seeds of some species yield oil, used as food, ♃, & cosmetic.

Sesostris, Grk. name of Egypt. king, supposed to be ident. with Rameses II., *ca.* 14th cent. B.C.

Sestertius, Rom. coin=2½ asses =¼ denarius; later = 4 asses = 2d.

Sestini, Domenico, Ital. Ψ & traveller, * 1750 Florence, † 1832.

Setebos, Patagonian deity introduced into the *Tempest*.

Seth, Script. ♄, 3rd s. of Adam.

Sethites, †, Gnostic sect of 2nd cent. who regarded Seth as the Messiah.

Setter, zool., large spaniel wh. marks game by setting (crouching).

Settle, Elkanah, Eng. ☉ & poet. ♂, * 1648 Dunstable, † 12/2 1724 London; the last city poet.

Seven Champions of Christendom, title of work by Richard Johnson (1570–1630). The C.s were: St. George (Eng.), St. Denys (Fr.), St. James (Spain), St. Anthony (Italy), St. Andrew (Scotland), St. Patrick (Ireland), St. David (Wales).

Seven Churches of Asia: Ephesus, Smyrna, Pergamos, Sardis, Thyatira, Philadelphia, Laodicea.

Seven Days' War, W. in 1866 for Germ. supremacy; Austr. deftd. by Prussia & Italy.

Seven Deadly Sins, R. Cath. †: pride, covetousness, lust, gluttony, anger, envy, sloth.

Seven Sages (of Greece): Solon (Athens), Thales (Miletus), Pittacus (Mitylene), Bias (Priene), Chilon (Sparta), Cleobulus (Lindus), Periander (Corinth).

Seven Sleepers of Ephesus, myth., seven youths who fled in the Decian persecution to a cave in Mount Celion & slept for 230 years.

Seven Spirits who stand before throne of God: Michael, Gabriel, Lamael, Raphael, Zachariel, Anael, Oriphiel.

Seven Wonders of the World, pyramids of Egypt, hanging gardens of Babylon, tomb of Mausolus, temple of Diana at Ephesus, Colossus of Rhodes, statue of Zeus by Phidias, Pharos of Alexandria (or Palace of Cyrus).

Seven Years' War, W. of Pruss. & Eng. agst. Austria, Saxony, Russ., Fr., & Swed. (1756–63); Eng. gained undisputed possession of Canada & securely founded Ind. Emp.; Silesia was added to Prussia.

Severino, Marco A., Ital. ♃, * 2/11 1580; prof. at Naples, † 16/7 1656. ♂.

Severn, Brit. ⚓; rises nr. Llanidloes, falls into Bristol Channel; 210 m.; known above Ll. as the Hafren.

Severn, Jos., ♃, * 1796; Brit. consul at Rome 1861–72, † 79.

Severus, 1] L. Septimius, Rom. Emp., * 11/5 146 near Leptis, Afr.; succ. Pertinax 193, to Brit. to crush Caledonians 207, † 4/2 211 York. 2] Alex., *v.* Alexander 2.

Sévigné, Marie de Rabutin-Chantal, marquise. de ("Mme. de Sevigné"), * 6/2 1626 Paris; m. Henri Marq. de S. 1/8 44, widow 5/2 51, to French court 54, † 14/1 96 Grignan, Provence. ♂ "Letters."

Seville, prov. of S. Spain; 5,300 s.m., 510,000 inh. Chf. ⊙, S., on ⚓ Guadalquivir; 140,000 inh.; 16th cent. cathed.; archbpric. & univ. Cap. of Moorish kingdom, cap. of Spain from 12th to 16th centuries.

Sevin, Franç., Fr. philol. & †, * 1682; brought 600 MSS. from Constantinople, † 1741.

Sèvres, Fr. ⊙ Seine-et-Oise dept., 6 m. S.W. of Paris; 7,000 inh.; porcelain.

Sèvres, Deux, dept. of W. Fr.; 2,817 s.m., 350,000 inh.: nmd. fr. ⚓s Sèvre-Nantaise & S.-Niortaise. Chf. ⊙, Niort; 18,000 inh.

Seward, 1] Wm. Hy., American statesm. & ♂, * 16/5 1801 Florida; govr. of N. York 38, 40, Sec. of State 51, escaped assassntn. 65, † 9/10 72 Auburn. ♂ "L. of Jno. Q. Adams."

&c. 2] Anna, Eng. poet. & misc. ✓, * 1747, † 25/3 1809. Life by Sir W. Scott.

Sewell, 1] Wm., †, * 1805; fell. of Exeter Coll. Oxford, † 14/11 74. ✓ "Christian Vestiges of Creation" 61, &c. 2] His sist., Eliz. M., poet. & nov ✓, * 1815. "Ursula" 58, &c. 3] Geo., Eng. poet. ✓ & ♪ † 1726 Hampstead.

Sewing Machine, *v.* Howe 5.

Sexagesima, 2nd Sunday before Lent, *ca* 60th day before Easter.

Sextant, ⊕, instrument for measuring angles in surveying & navigatn. founded on principle that a light-ra. twice reflected fr. plane reflectors makes (w. ray before reflection) an angle = twice the angle of inclinatn of the reflecting surfaces; likes a quadrant, but w. arc of *ca.* 65°.

Sextett, sestet, 𝄽, composition for 6 instruments or voices.

Sextile, ⚹, aspect of 2 planets when 60° distant from each other; marked thus *.

Sextolet, extuplet, 𝄽, double triplet, *i.e.*, 6 notes performed in time of 4; indc. by slur w. figure 6 beneath.

Seychelles Islands, group of 30 in Ind. Ocean, *c.* 900 m. N.W. of Isld. of Mauritius pt. of Brit. colny. of M.; largest Mahé, 18 × 3 to 5 m., Port Victoria (*ca* ⊙ of group) on N.E. coast; coffee, cocoa, vanilla, coral; *ca.* 100 m., 14,000 inh. ♆: settled by Fr. 1756, named aft. Fr. ⚓ Minister; ceded to Brit. 1815.

Seychelles Palm, ♆, *lodoicea seychellarum*, confnd to S. Islds.; large 2-lobed fruit called double cocoa-nut.

Seydelmann, Karl, Germ. ✆, * 24/1 1793 Glatz, † 1/8 1843 Berlin.

Seydlitz, Fried. W. Pruss. genl., * 3/2 1721, † 7/11 73.

Seyfried, Ignatz X., Germ. 𝄽, * 1776, † 1841. Operas, masses, &c.

Seymour, 1] Sir B., Alcester. 2] Arabella, *v.* Stuart. 3] Edwd., 1st duke of Somerset; protector & Ld. Treas. to Edwd. VI., *exec.* 1552. 3] His sist., Jane; marr. Hy. VIII. 1536, † 37 giving birth to Edwd. VI. 4] Thos., bro. of 2 & 3; created Baron S. of Sudeley, 1547, Lord High Admiral 47, marr. Dowager-Q. Cath. Parr, executd. by order of his bro. 20/3 49. 5] Sir Edwd., statesm., * 1633 Berry Pomeroy; Speaker 73, † 1708. 6] Geo. Hamilton, G.C.B., diplom., * 1797; ambass. to Russia 1851–4, to Austria 55–58, † 2/2 80. 7] Horatio, Amer. statesm., * 31/5 1810 Pompey, N.Y.; govr. of N. York 52, 62, † 12/2 86 Utica.

Seyssel, Claude de, Fr. schol., †, & ✆, ✓, * 1450; bp. of Marseilles, archbp. of Turin, † 1520.

Sforza, 1] Giacomo A., Ital. ⚔ adventurer & founder of S. family (which died out 16th cent.), * 10/6 1369 Romagna; peasant, cr. count of Cagniola by John XXIII., apptd. Constable of Naples by Joan II., drowned in ⚓ Pescara 4/1 1424. 2] His s., Francesco A., * 23/7 1401; succ. 1 as leader of ⚔ band 24, took Milan 26/2 50, made himself duke of M. 26/2 50, took Genoa & Savona 64, † 8/3 66.

Sforzato, 𝄽, Ital. = forced; abbreviated to *Sf.*: direction that notes are to be emphasised.

S. G. O., initials of Rev. Ld. Sidney G. Osborne (*q.v.*).

Sgraffito, ✎, Ital. = scratched; style in wh. white ground is chipped away so as to show black subsurface.

Shad, ichth., pop. name of three specs. of gen. *clupea*: (1) *C. alosa*, allice, or common S.; (2) *C. sapidissima*, Amer. S.; & (3) *C. finta*, Twaite S. (1) & (3) occur on Brit. coasts; all like herrings.

Shaddock, large kind of orange, fruit of *citrus decumana*; named after Capt. S., who introd. it from China to W. Indies early in 18th cent.

Shadwell, Thos., ✆ ✓, * 1640 Stanton Hall, Norfolk; succ. Dryden as poet-laureate, † 6/12 92; 16 comedies, &c.

Shaftites, one of four orthodox

Mohamm. sects; fnded. by Mahomet al Shafei, * 767 Syria.

Shaft, ▲, 1] body of column, betw. base & capital. 2] One of the sm. columns clustered round pillars, or used in jambs of doors & windows, or in arcades, &c.

Shaftesbury, 1] Anthony A. Cooper, 1st E. of, statesm., * 1621; s. of Sir John Cooper; entrd. Parlt. 40 & sided with Charles I., joined Parly. party, memb. of Cromwell's Counc. of State, oppd. Cromwell, to Hague to invite Chas. II. back 60, Privy Cncllr. & Chanc. of Exchequ. 60, peer 61, member of "Cabal" 67, Ld. Chanc. 72, displaced 73, joined pop. party, fomented "Popish Plot," comtd. to Tower on charge of treason 81, escaped to Amsterdam 82, † there 22/1 83. 2] His grandson, Anthony Cooper, 3rd E. of, ✱, * 26/2 1671; stud. und. Locke, succ. to title 94, † 4/2 1713. ✓ "Enthusiasm" 08, "Sensis Communis" & "Moralists" 09, "Misc. Reflections" 14, forming (with other works) the "Characteristics" 14. 3] Anth. Ashley-Cooper, 7th earl, social refrmr., * 28/4 1801; carried Ten Hours Bill 44, took leadg. pt. in ragged school & other movemts., succ. to title 51, † 1/10 85.

Shagreen (Turk. *saghri* = back of a horse), green granular leather, prepared fr. skin of horse or ass, in which seeds are temporarily embedded, the surface then being shaved down, & the leather dyed w. oxychloride of copper.

Shah, Europn. title for Padishah of Persia.

Shahi, Persian coin = ¼d.

Shah Jehan, Emp. of Ind.; suc. his fath. Jehangeer 1627, conqrd. kingdom of Ahmednagar, deposed by his son Aurungzebe, † 1666.

Shah Nameh, Pers. = Book of Kings; title of sevrl. oriental wks., espec. Firdousi's poem, containing ✱ of ancient Persian kings.

Shah Shuja, Ameer of Afghan., * *ca.* 1780; driven fr. throne 1810, replaced by Brit., assassd. 42.

Shahabad, distr. of Patna, Brit. India; 4,385 s.m., 1,780,000 inh. Chf. ⊙, Arrah; 40,000 inh.

Shahjahanpur, distr. of Rohilkhand, Brit. India; 1,744 s.m., 950,000 inh. (chiefly Hindoos. Chf. ⊙, S.; 75,000 inh.

Shahpur, distr. of Rawa Pindi, Brit. Ind.; 4,700 s.m., 370,000 inh. (chiefly Mohamms.). Chf. ⊙, S.; 5,000 inh.

Shairp, Jno. Campbell poet. & crit. ✓, * 1819 Linlithgowsh.; prof. of poetry Oxfd. 77, † 18/9 85. "Poet. Interpretatn. of Nature" 70, &c.

Shake, ♪, rapid altenatn. of 2 notes, either tone or semitone apart; indicated by *tr.*, abbrev. of Italian *trillo.*

Shakers, 1] Amer. sect of celibates of both sexes, fnded. 1776 by Anne Lee, Eng. emigrnt; named fr. kind of relig. danc. 2] English millenarians, fnded. by Mary Anne Girling, who professd to be a new incarnatn. of the Deity; dispersed on her death 18/9 188: named from same cause as in 1.

Shakespeare, Wm., greatest ✓, * *ca.* 23/4 154 Stratford-on-Avon; son of a wool-comber or glover; educ. at Grammar School m. Anne Hathaway (8 years his senr.) 82, to Lon. *ca.* 86, actor at Globe Theatre, Southwark, became proprtr. of Globe & part-proprtr. of Blackfriars Theatre, bought New Place, Stratford, 97, returned thither *ca.* 161 † there 23/4 16 of fever (?). Probble order of works, accordg. to Furnivall:—1st period, 1588–94 (?): *Love's Labour's Lost* 1588–89(?), *Comedy of Errors* 1589(?), *Midsummer Night's Dream* 1590–1, *Two Gentlemen of Verona* 1590–1 (?), *Romeo & Juliet* 1591–3, *The Rape of Lucrece* 159-4, *Passionate Pilgrim* 1589–99 (?) *Richard II.* 1593 (?), 1, 2, 3 *Henry VI.* 1592–4 (?), *Richard III.* 1594 Second period, 1595–160: *King John* 1595 (?), *Merchant of Venice* 1596 (?), *Taming of Shrew* 1596–7, *Henry IV.* 1596–7, 2 *Henry IV.* 1598, *Merry Wives of Windsor*

1598–9, *Henry V.* 1599, *Much ado about Nothing* 1599–1600, *As you Like It* 1600, *Twelfth Night* 1601, *All's Well that ends Well* 1601–2, "Sonnets" 1592–1608 (?). Third period, 1601–08: *Julius Cæsar* 1601, *Hamlet* 1602–3, *Measure for Measure* 1603 (?), *Othello* 1604 (?), *Macbeth* 1605–6, *King Lear* 1605–6, *Troilus & Cressida* 1606–7 (?), *Antony & Cleopatra* 1606–7 (?), *Coriolanus* 1607–8, *Timon of Athens* 1607–8 (?). Fourth period, 1609–13: *Pericles* 1608–9, *Tempest* 1609–10, *Cymbeline* 1610, *Winter's Tale* 1611, *Henry VIII.* 1612–13.

Shakespeare Society, fnded. in Lond. 1840, dissolvd. 53; issued many Shakesp. publications.

Shale (Germ. *schale* = scale), ⚒, hard clayey rock wh. splits into thin layers parallel w planes of bedding; sedimentary in origin.

Shalloon, light woollen stuff, first made at Chalons, France.

Shallop, ⚓, 1] light fishg.-vessel w. 2 masts, carryng. lug or fore-&-aft sails. 2] Sloop.

Shallot, eschalot, ☘, *allium ascalonicum*, kind of onion introduced. into Europe from Ascalon.

Shamanism, †, form of relig. in Siberia, in wh. devotees wrk. themselves into fury & profess to foretell future events.

Shamrock, ☘, pop. name of *trifolium minus* & sevrl. other specs. Adoptd. as symb. of Ireland from traditn. that St. Patrick used it to illustrate doctrine of Trinity.

Shanghai, Chinese ⚓ ⊙, pr. mth. of ⚓ Yang-tse-kiang; 300,000 inh.; tea, silk, opium; opened to frgn. trade 1864; seat of Supreme Court for Brit. subjects in China & Japan.

Shannon, largest Irish ⚓; rises in co. Cavan, flows thro' Loughs Allen, Baffin, & Rea, & falls into Atlantic; 240 miles.

Shark, ichth., pop. name for any individ. of carniv. group *selachoidei*; *ca.* 140 specs., widely distrib. Div. into 10 fams.: *carcharidæ* (true S.s, tope, hammer-heads, hounds, &c.), *lamnidæ* (porbeagles, fox-S., basking-S., &c.), *rhinodontidæ* (1 spec.), *notidanidæ* or *scylliidæ* (dog-fishes, &c.), *hybodontidæ* (extinct), *cestraciontidæ* (cestracion), *spinacidæ* (spiny dog-fishes, Greenland S.), *rhinidæ* (angel- or monk-fish), *prestiophoridæ* (Australn. & Japan. seas).

Sharp, ♯, sign (♯) directg. notes before wh. it stands to be raised a semitone.

Sharp, 1] Granville, philanth., * 1735 Durham; agitd. agst. slavery, obtained decision in Somerset case 72, fnded. colony of Sierra Leone 86, † 6/7 1813. 2] Jas., Scot. †, * 1618 Banff; archbp. of St. Andrew's 61, murd. by Covenanters 3/5 79 Magus Moor. 3] Richd. ("Conversatn. S."), critic. ✓, * 1760, † 10/3 1835. "Letters & Essays" 34. 4] Abraham, math. & ✎, * 1651; assist. to Flamsteed at Greenwich, † 1742. 5] Jno., †, * 16/2 1644; chapl. of Chas. II. & Jas. II., dean of Canterby. 89, archbp. of York 91, † 2/2 1714. 6] Wm., line engrvr., * 1749 Aldgate; memb. of Vienna & Munich Acads., † 25/7 1824.

Sharpe, 1] Chas. Kirkpatrick, Scot. Ψ & misc. ✓, * 1780, † 1851. "Legends & Other Poems" 07. 2] Saml., ♛ & critic. ✓, * *ca.* 1810; "Monuments of Egypt," &c.

3] Gregory, orientalist & †, * 1713; mast. of Temple, † 8/1 71. "Orig. of Lang." 51, "Defence of Christianity" 55.

Shaw, 1] Eyre Massey, * 1830; chf. of Metrop. Fire Brigade 61, C.B. 79. ✓. 2] Richd. Norman, ▲, * 1831 Edinburgh; A.R.A. 72, R.A. 78. 3] H. W., ("Josh Billings"), Amer. humorst. "Book of Sayings" 66, &c.

4] Cuthbert, poet. ✓, * *ca.* 1738, † 1/9 71. 5] Stebbing, Ψ & †, * 1762, † 28/10 1802. "♛ & Ψs of Staffordsh.," &c. 6] Thos., Ψ & traveller, * *ca.* 1692, † 15/8 1751. "Barbary & Levant." 7] George, naturalist, * 10/12 1751, † 22/7 1813. ✓. 8] Peter, court ✗ to Geo. II. &

♀, * 1695, † 15/3 1763. /. 9] Robt. Barkley, traveller, * 12/7 1839 near London; in Ind. 59–68, Thibet 70–71, Cashmere 74, Burmah 77, † 15/6 79 Mandalay.

Shaw-Lefevre, *v.* Eversley & Lefevre.

Shawm, ♪, anct. wind instrument, similar to clarionet.

Shear-water, ornith., pop. name of ⚓ gen. *puffinus*, petrel fam.; *ca.* 20 specs., widely distrib., 4 on Brit. csts., esp. *P. anglorum*, the Manx S.: picks food fr. surf. of water in flight.

Sheathbill, kelp-pigeon, ornith., genus *chionis*, Antarctic Islands; like pigeon, w. horny sheath enclosing base of bill.

Shebbeare, John, Eng. polit. & misc. /, * 1709, † 1/8 88. "Letters to People of England" 55–7, &c.

Shedd, Wm. G. T., Amer. †, * 21/6 1820 Acton, Mass.; prof. of systemat. theology at New York 74. / "Endless Punishment" 86, &c.

Shee, 1] Martin A., Irish ⊕, * 1770; to Lond. 88, A.R.A. 98, R.A. 1800, P.R.A. 30, † 50. /. 2] Sir W., Eng. judge, * 1804, † 68.

Sheep, zool., gen. *ovis*, esp. *O. aries*, common S., or any of its breeds; *ca.* 11 specs., all Old-World, except Amer. Bighorn of Rocky ▲s. Orig. doubtful; probably descend. fr. sevrl. wild specs., introded. into Brit. in pre-☆ times. *v.* Merino.

Sheep-dog, zool., pop. name for many varieties of *canis familiaris*, used in tending & driving sheep.

Sheep-tick, entom., *melophagus ovinus*, insect wh. sucks blood of sheep, causing large tumour. Also a louse, *tricocephalus sphærocephalus*.

Sheep's Head, ichth., ⚓ specs. of fam. *sparidæ*, sea-breams; Amer.; edible.

Sheepshanks, 1] John, fndr. of S. Gallery in S. Kensington Mus., * 1787, † 5/10 1863. 2] His bro., Richd., ✕, * 1794 Leeds, † 1855.

Sheerness, ⊕ ⚓ ⊙ of Kent, at confluence of ⅄s Medway & Thames; 15,000 inh.; dockyards, planned by Charles II.

Sheers, Shears, ⊕, apparatus for mastg. or dismantlg. ships, hoistg. in & taking out boilers, &c.; consisting of 2 masts or legs, secured together at top, & provided w. supports & ropes or chains & pulleys.

Sheet-anchor (corruption of shoot-anchor), ⚓, largest A. of a ship, to be lowered in case of great danger.

Sheet-lightning, *v.* Lightning.

Sheffield, ⊙ of Yorks., W. Riding, near borders of Derbysh.; *ca.* 290,000 inh.; cutlery, iron plates, rails, springs, &c.; rets. 5 M.P.s: Attercliffe, Brightside, Central, Hallam, & Ecclesall divisions.

Sheffield, 1] John, *v.* Buckingham 5. 2] J. B. Holyrood, earl of, ✕, * 1741; suppressed Gordon riots 80, cr. peer, appntd. Gibbon's executor, † 1821.

Sheikh, Arab = elder; head of Bedouin clan or tribe, or of important family.

Sheikh-ul-Islam, highest Mohom. † functionary in Turkey.

Sheil, Richd. Lalor, Irish ⊕ /, polit., & orator, * 17/8 1791 Drumdowney; joined Catholic Assocn. 1823, K.C. 30, Vice-Preadt. & Privy Councllr. 32, Judge Advoc.-Genl. 41, Mast. of Mint 46, Min. at Florence 50, † there 25/5 51. *Adelaide* 14, &c.

Shekel, 1] fundamental Hebrew wt., probably = 8·78 drs. avoirdup., 10 dwt. troy; $\frac{1}{3000}$ talent. Half-S. a bekah, was divd. into 10 gerahs. 2] Hebrew coin, prob. = 2s. 3·37d.

Shelburne, Wm. F. Petty, earl of, Brit. statesm., * 1737; succ. to title 61, Presdt. of Bd. of Trade 63, For Sec. 82, Premier 83, cr. Marq. of Lansdowne 84, † 7/5 1805.

Sheldon, Gilbert, †, * 19/7 1598; bp. of London 1660, archbp. of Canterbury 63; blt. Sheldonian Theatre, Oxford, † 9/11 77.

Sheldonian Theatre, at Oxford. *v.* Sheldon.

Sheldrake, ornith., pop. name for gen. *tadorna*, esp. *T. cornuta* (or *vulpanser*), rather larger than

domest. duck, w. fleshy protubrnce. at base of bill. Ruddy S., *T. casarca*. Sandy coasts of Britain, &c.

Shell, 1] zool., *v.* Mollusca. 2] ✕, invented at Venlo 1495, used by Turks at siege of Rhodes 1522. Generally of cast-iron; spherical for mortars & smooth-bore cannon; cylindrical, with conoidal point (except. Whitworth's & a few othrs.), for rifled guns. Shrapnel-S. (*v.* Shrapnel) is thin S. filld. w. bullets, & contains just enough powder to burst shell, so that bullets continue course w. undiminished velocity. In diaphragm-shrapnel there is coal-dust betw. the bullets, which are seprtd. fr. the bursting-charge by thin iron plate. Segment-S. is composed of segments of iron, wh. are scattered laterally.

Shellac, *v.* Lac.

Shelley, 1] Percy Bysshe, poet. & essay ✓, * 4/8 1792 Field Place, near Horsham; educated Eton & Oxford, expelled from Oxford 1811, m. Harriett Westbrook 11, separated from her 14 & formed connection w. Mary Godwin, m. her 17, to Italy 18, drowned in Bay of Spezzia 8/7 22. "Queen Mab" 13, "Alastor" 16, "Revolt of Islam" 17, "Rosalind & Helen" & "Julian & Maddalo" 18, "Prometheus Unbound," "Cenci," & "Peter Bell the 3rd" 19, "Œdipus Tyrannus" & "Witch of Atlas" 20, "Epipsychidion," "Adonais," & "Hellas" 21, &c.

Shemitic, *v.* Semitic.

Shenstone, Wm., poet. & essay ✓, * 1714 Halesowen, † 11/2 63. "Poems on Several Occasions" & "Schoolmistress" 37, &c.

Sheol, Hebr. name for place of the dead, genlly. left untransld. in R. V. of Bible, "grave" being placed in margin.

Shepherd Kings, or Hyksos, chiefs of a nomad. Arab tribe who established themselves in Lower Egypt *ca.* 2000 B.C.; dyn. lasted fr. 100 to 500 yrs.

Shepherd's Purse, *capsella bursa-pastoris*, roadside weed; Eur. (incldng Brit.), N. Afr., Asia.

Sheppard, Jack, noted thief, * 1701 Smithfield, hanged 24 Tyburn.

Sheppey, Isle of, separated fr. N. Kent by the Swale, arm of sea; 11 × 8 m.; *ca.* 20,000 inh., incldg. Sheerness.

Shepstone, Theophilus, Eng. administr., * 1835; K.C.M.G. 76, annexed Transvaal 77.

Sherard (Sherwood), Wm., ✓, * 1659, † 12/8 1728, leavg. £3,000 to Oxf. Univ. for ✓ professorship. ✓.

Sherbrooke, Robt. Lowe, viscount, statesm., * 1811 Bingham; to Australia 42, returned 51, Vice-Presdt. of Educatn. Bd. 59–64, opposed Reform Bill 66, 67, Chanc. of Exchcq. 68–73, Home Sec. 73–4, cr. peer 80. ✓.

Sherburne, Sir Edwd., poet. ✓, * 1618, † 4/11 1702. "Salmacis," "Lyrian, & Sylvia" 1651, &c.

Shere, S. Khan Soor, Emp. of Ind. 1540, killed at siege of Kalinjeet 45.

Sheridan, 1] R. Brinsley B., ✓, orator, & polit., * 30/9 1751 Dublin; M.P. 80–1812, Sec. to Treasry. 83, asstd. in impeachmt. of W. Hastings 88, Treasurer of Navy 1806, † 7/7 16, buried Westm. Abbey. *Rivals, Duenna* 75, *School for Scandal* 77, *Critic, Pizarro* 79, &c. 2] Phil. Hy., Amer. genl., * 6/3 1831 Somerset, Ohio; comdr. of cavalry in Potomac army 64, repulsed Early, maj.-genl. of main army 64, lieut.-genl. 69, comdr.-in-chf. 84, † 15/8 88. 3] Thos., Irish † & ✓, * 1684, † 10/9 1738. 4] His s., Thos., ✓ & ✓, * 1721, † 14/8 88. Eng. Dictnry. 80, "Life of Swift" 84, &c. 5] Frances, w. of 4, nov. & ✓ ✓, * 1724, † 17/9 66. "Miss Sidney Biddulph" 61, &c.

Sherif Pasha, Egypt. statesm. & ✕, * 1819 Constantinople; For. Min. of Egypt 57, regent 65, 7, 8, Prime Min. 68, 79, 81, 82–6.

Sheriff, High Sheriff, ✓, in Eng. chf. offr. in every county; selected

by Crown (except in London & Middlesex) from 3 names submitted for each county by circuit-judge; apptd. annually; take precedence in the county; chf. functns., to execute ⚖ & preserve peace (*v.* Posse Comitatus); delegates all, except honorary duties to Under-S. In Scot., offr. w. functns. orignly. like those of an Eng. S., now county-court judge.

Sherlock, 1] Richd., † ✓, * 1613, † 20/6 89. 2] Wm., †, * 1641; dean of St. Paul's 91, † 19/7 1707. 3] Thos., †, * 1678 London; son of 2; dean of Chichester 1715, bp. of Bangor 27, of Salisbury 34, of Lond. 48, † 18/7 61. ✓ "Prophecy," &c. 4] Mary Martha, nov. ✓, * 1775, † 1851.

Sherman, 1] Wm. Tecumseh, Amer. genl., * 18/2 1820 Lancaster, Ohio; brig.-genl. 63, commander of Mississippi divsn. 64, maj.-genl. in U.S. army 64, received Johnston's surrender 26/4 65, lieut.-genl. 66, genl. 69–84. ✓. 2] His bro., John, Amer. statesm., * 10/5 1823 Lancaster; U.S. Senate 61–77, 81, Sec. of Treasury 77–81, Presdt. of Senate 85–86.

Sherrington, Helen Lemmens, Eng. vocalist, * 1834 Lancs.; first apprd. Lond. 56, m. M. Lemmens 59, prof. of singing Brussels Conservatoire 81.

Sherry (*orig. sherris, fr. Xeres*, Span. ⊙), wine fr. small white grapes grown in Andalusia, esp. at Xeres, & not gathered till ripe.

Shetland Islands, *v.* Orkney & Shetland Islands.

Shibbaiyama, Japanese ivory-carver, early 19th cent.

Shibboleth, party test or watch-word; fr. its being the word by wh. Ephraimites, not being able to pronounce *sh*, were distingd. from Gileadites (Judges xii.).

Shield, herald., *v.* Escutcheon.

Shield, Wm., English ♪, * 1748 Smalwell; comp. to Covent Garden 78–91, 92–7, † 1829.

Shields, North, ⊙ of Northumberland, on N. bank of ⚓ Tyne; *ca.* 22,000 inh.; part of Parly. boro. of Tynemouth.

Shields, South, ⚓ ⊙ of Durham, on S. bank of ⚓ Tyne; 60,000 inh.; shipbldg.; rets. 1 M.P.

Shiites, *v.* Schiites.

Shikarpur, distr. of Sind, Brit. Ind.; 8,818 s.m., 780,000 inh. Chf. ⊙, S.; 40,000 inh.

Shilleto, Richd., class. editr., * 1810, † 76

Shilling, 1] Brit. silver coin = 12d., or $\frac{1}{20}$ £. 2] Obsolete Brit. weight = $\frac{1}{20}$ lb.

Shiomi, 1] Masasane, Jap. art. & ●. 2] His s., Masakage, art. & ●, 17th cent.

Ship, ⚓, strictly, a 3-masted vessel, w. square sails on each mast; popularly, any vessel larger than boat. Some ships now built with 4 masts.

Ship-money, Eng. ♛, impost first levied 1007 on ⚓ towns, to prov. fleet against Danes. Charles I., witht. consent of Parlt., levied it upon inland co.s as well, & was resistd. by Jno. Hampden 1635–37. Finally declared illegal 7/8 1641.

Shiraz, Pers. ⊙, prov. of Fars; 30,000 inh. Rose-gardens & wines.

Shire, same as county (*q.v.*).

Shire-mote, Shire-gemot, Eng. ♛, half-yearly court formerly held by bp. of diocese, w. aldermen or sheriffs.

Shirley, 1] W. W., ♛ & † ✓, * 1828; canon of Christ Ch. Oxfd. & prof. of eccl. ♛ 64, † 20/11 66. 2] Jas., ✓, * 13/9 1596 London, † 29/9 1666. *Bird in Cage* 33, *Gamester* 37, &c. 3] Walter Aug., †, * 1797; bp. of Sodor & Man 1846, † 21/4 47. 4] Anthony, Eng. ✕ & traveller, * 1565; kntd. for ✕ services in Ireld., admiral of Span. fleet, † 1630. 5] His bro., Sir Robt., Shah of Persia's envoy to Spain & Eng., * 1564, † 1627.

Shittim plural of Shittah (Hebrew), ✱, a Bibl. tree, almost certainly an *acacia*; either *A. segal*, *A. arabica*, or *A. giraffa*.

Shoddy, yarn fr. old woollen or worsted fabrics, woven into cheap cloth, table-covers, &c. Articles so made also called S.

Shogioku, Jap. carver, 18th cent.

Shokwado, Jap. ☯, * 1584, † 1639.

Sholapur, distr. of Deccan, Brit. Ind.; 3,925 s.m., 670,000 inh. (chfly. Hindus). Chf. ⊙, S.; 55,000 inh.

Shooting Stars, *v.* Aerolites.

Shore, 1] Jane, mistress of Edw. IV., * 1460; m. a Lond. goldsmith; formed connection w. Hastings on k.'s dth.; was compld. by Rich. III. to do pub. penance in St. Paul's 18/6 83 † 1524. 2] *v.* Teignmouth, Lord.

Short, Thos., Scot. ♪ & meteorol., † 23/11 1772. ⁄.

Shorter Catechism, †, Presbyterian. C. composed 1647 under direction of Westminster Assemb. of Divines; adopted by Scot. Genl. Assembly 28/7 48, ratified by Scot. Parlt. 7/2 49. Called S. in distinction from Larger C., compiled just before.

Shorthand, *v.* Stenography.

Shorthorns, breed of oxen produced by C. & R. Collins near Darlington by in-breeding 1780–1818.

Shorthouse, John Hy., nov. ⁄, * 1834 Birmingham. "John Inglesant" 81, "Little Schoolmaster Mark" 83, "Sir Percival &c.

Shot, ✕, any solid projectile, in distinction from shells, which are hollow. First made of stone, *temp.* Hy. V.; then of lead, afterwards of iron, now (for big guns) of iron & steel. Formerly spher., now long & conical. Palliser's chilled S. made by casting in cold iron moulds instead of in hot sand, to give greater penetrating power. Small S. for shooting game, &c., made by pouring molten lead, alloyed with arsenic, thro' sieve down S. tower into solution of sulphide of sodium. Case (Canister) & Grape S♯ now nearly superseded by Shrapnel (*v.* Shell). Except for game, shot now generally rifled. *v.* Plate.

Shovel, Sir Cloudesley, Brit. admiral, * 1650; served before mast, commanded at siege of Toulon 1707, wrecked on Scilly Isles 27/10 1707, buried in West. Abbey.

Shoveller, ornith., gen. *spatula*, ducks with bills expanded towards tip; esp. *S. clypeata*, winter visitor to Britain.

Show-bread, Shew-bread (from Hebrew *lehem hapanim* = bread of face or faces), Hebr. †, 12 cakes of fine flour wh. stood in Holy place, & were eaten by priests.

Shrapnel, Henry, artillery offr., inventor of S. shell, † 13/3 1842.

Shrew, *v.* Sorecidæ.

Shrew-mole, zool., *scalops aquatica*, mole of U.S.A.

Shrewsbury, chf. ⊙ of Shropshire, on ⚓ Severn; 27,000 inh.; rets. 1 M.P. Public school. ✕ (Hately Field) 23/7 1403, Hotspur slain.

Shrewsbury, Earl, *v.* Talbot.

Shrike, ornith., fam. *laniidæ*, esp. *lanius excubitor*, Great Grey S. Lesser Grey S., *L. minor*; Red-backed S., *L. collurio*; Nine-killer, *L. septentrionalis*; Woodchat, *L. auriculatus*. Called also Butcher-bird, because it impales its prey, whilst living, on thorns near nest.

Shrimp, zool., 1] gen. *crangon* of crustaceans, espec. *C. vulgaris*, common S. 2] *Pandalus annulicornis*; red when boiled.

Shropshire, Salop, Eng. county on Welsh border; 1,314 s.m., 250,000 inh.; cattle-breeding & ⚒; returns 4 M P.s. Chief ⊙, Shrewsbury.

Shrove Tuesday, †, last day before Lent, on wh. R. Caths. confess in view of Lent.

Shrub, 1] ♨, low plant w. perennial branches; taller than herb, shorter than tree. 2] Liqr. of acid (genrly. of lemons & sugar), with rum or other spirit.

Shuckburgh-Evelyn, Sir G. A. A., math. & natural ☄, * 1750, † 1804.

Shukovsky, Vassili A., Russian

poet. ✓, * 1783 Tula, † 2/4 1852 Baden-Baden.

Shumla, Bulgar. ⊙; 23,000 inh.; ⊕s dismantled by Berlin Treaty 1878.

Shunsho, Jap. lac-worker, 17th cent.

Shuttle, ⊕, weavg. instr. wh. passes thread of weft fr. one side of web to other, between threads of the warp. In Fly-S., invtd. 1735 by John Kay, S. is driven by blow fr. pin instead of being thrown by hand.

Shuttleworth, 1] Phil. N., †, * 1782; bp. of Chichester 1840, † 7/2 42. ✓. 2] Jas. K., official, * (Kay) 20/7 1804; sec. to Comit. of Council on Education, bart. 49, † 26/5 77.

Shûzan, Jap. carver, 18th cent.

Sialkot, distr. of Amritsar, Brit. India; 1,955 s.m., 1,010,000 inh. (chiefly Mohammedans). Chf. ⊙, S.; 25,000 inh.

Siam, kingdom of S.E. Asia, in heart of penins. between India & China; *ca.* 280,550 s.m., 5,700,000 inh. *Pop.:* Siamese, Chinese, Malays. †, Buddhism. ⅄, Menam. *Products:* rice, gums, teak, sandalwood, rosewood, aloeswood, fruits. Army 2,000. Revenue & expenditure each *ca.* £1,200,000; imports from U. Kingdm. £68,000, exports to U. K. £108,000. Cap. ⊙, Bangkok; 255,000 inh. Absol. but not hereditary monarchy. Council of State, constg. of 5 Ministers, royal princes, & 9 members appointed by king. King Phrabadly Somdetch Chulalonkorn, * 27/9 1853; succ. 1/10 68.

Siamese Twins, Chang & Eng, * 1811 Siam; bound together by cartilag. band; taken to N. York & exhibited 29, married 2 sisters, † 16–17/1 74.

Sibbald, 1] Robt., Scot. Ψ & ⚷, * 15/4 1641, † 1712. ✓. 2] Jas., Scot. Ψ & misc. ✓, * 1747, † 1803. "Glossary of Scot. Lang." 02, &c.

Sibbes (Sibbs), Richd., Puritan †, * 1577; mast. of Catherine Hall Camb. 1625, † 5/7 35. ✓ "Bruised Reede & Smoaking Flax" 31 &c.

Siberia, tract of Asiatic Russia, whole of N. Asia, from Ural ▲s to Pacif. Ocean, fr. Altai ▲s to Arctic Ocean; 4,826,287 s.m., 3,950,000 inh. (Russians, Finns, Samoyedes, Tartars). ⊙s: Irkutsk & Tobolsk. ⅄s: Obi, Irtisch, Tobol, Jenisei, Lena, Amur, Anadyr. ▲s: Stanowoj, Altai. *Products:* furs & metals. Divd. into 8 govts., und. govr.-genl. at Irkutsk. Exiles & convicts live chiefly in W. S.

Sibthorp, John, ⚷, * 28/10 1758; prof. at Oxford, † 28/2 96. ✓.

Sibyls, class. myth., inspired women living in different parts of anct. world; number doubtful, generally given as 10: those of Libya, Samos, Cumæ (Italy), Cumæ (Asia Minor), Erythræa, Persia, Tiburtis, Delphi, Ancyra, Marpessa. Most celebrtd. was Amalthæa, of Cumæ (Ital.), said to have burnt 6 of the 9 Sibylline books, wh. contained fate of Rom. Emp., the rest being acquired by Tarquin the Proud, & kept in Capitol until destroyed by fire. The Sibylline verses quoted as containg. prophecies of Christy. are forgeries of 2nd cent. Sibylline leaves = S. books, written on palm-leaves.

Sic, Lat. = so, thus; used to indic. that an incorrect or startling statement is quoted literally.

Sicard, Roch. A. C., French † & philanth., * 20/9 1742, † 10/5 1822.

Sichem, or Shechem, anct. ⊕, ⊙ of Samaria, on ▲s Ebal & Gerizim.

Sicilian Vespers, massacre of French in Sicily, wh. began at 1st stroke of vesper-bell Easter Monday 30/3 1282; 600th anniver. celebrated Palermo 1882.

Sicilies, Two, *v.* Two Sicilies.

Sicily, isld. of Ital., in Mediter. Sea, sep. from Italy by Strait of Messina; ▲s, Ætna, Madonia, Dinamari, Pellegrino, San Venere, Lauro; ⅄s, Platani, Simeto, Salso; fertile valleys & plains; products, cereals & ⊕s;

11,290 s.m., 3,000,000 inh. Div. into 7 provs.: Palermo, Messina, Catania, Siracusa (Syracuse), Caltanisetta, Girgenti, Trapani. ⊙s: Palermo (cap.), Messina, Catania, Caltanisetta, Trapani, Girgenti, Ragusa, Siracusa, Caltagirone, Nicosia, Alcamo. ♛: once united to Naples as part of kingdom of Two S.s; incorpd. w. Italian kingdom 1860.

Sick Man, Czar Nicholas' designation for Turkey in conversation with Sir H. Seymour, Brit. ambas., 15/1 1854.

Siddons, Sarah (*née* Kemble), trag. ✆, * 5/7 1755 Brecon; m. 68, first apprd. in Lond. 75, retired 1812, † 8/6 31 London.

Sidereal Time, *v.* Time.

Sideroxylon, ✿, gen. of trees which yields ironwood (*q.v.*).

Sidgwick, Henry, ✍, * 31/5 1838 Skipton; Knightbridge prof. moral ✍ Camb. 83. ✓ "Methods of Ethics" 74, "Polit. Econ." & "♛ of Ethics" 83, &c.

Sidmouth, Hy. Addington, 1st visct., statesm., * 30/5 1757; Speakr. 89–1801, Premier 01–4, peer 05, & Ld. Presidt. of Council 05, 12, Home Sec. 12–22, † 15/2 44 Richmond.

Sidney, 1] Sir Ph., ⚔ & ✓, * 29/11 1554 Penshurst; amb. at Vienna 76–77, govr. of Flushing 85, wnded. ⚔ Zutphen 22/9 86, † 17/10. ✓ "Arcadia" 90, "Astrophel & Stella" 91, "Defence of Poesie" 95. 2] His grand-neph., Algernon, patriot, * 1622; 1 of Chas. I.'s judges, memb. of Counc. of State on R. Cromwell's deposition, ambass. to Denmark, charged with complicity in Rye-House Plot 83, executed 7/12; attainder reversed by Wm. & Mary. ✓ "Discourses concerning Government" 96.

Sidney Sussex College, Camb., fnded. by Lady F. Sidney, Countss. of Sussex, 1598.

Sidon, anct. ⬡, ⊙ of Phœnicia, on Medit. coast, *ca.* 20 m. N. of Tyre. Mod. ⊙, Saida, nr. site of Sidon, *ca.* 5,000 inh., incl. in Turk. pashalik of Acre.

Sidonius, C. S. Apollinaris M., † & poet. ✓, * *ca.* 430; bp. of Clermont 471, † 21/8 488.

Siegen, Ludwig v., Germ. artist, * 1609; invtd. mezzo-tint engravg. *ca.* 40, † *ca.* 80.

Siegfried, hero of pt. 1 of Nibelungenlied (*q.v.*), murd. by Hagan the Dane, who smote him w. a sword betw. shouldr.-blades, only vulnerable part.

Sieglind, mother of Siegfried in Nibelungenlied.

Siemens, 1] Sir Carl W., metall. & electr., * 4/4 1823 Lenthe, Hanover; to London 43, presidt. of Brit. Assoc. 82, † 20/11 83. 2] E Werner, physicist & ⚙, * 13/12 1816 Lenthe; improved telegraphy, &c.

Siena, Siena, Ital. ⊙, cap. of prov. of S., 45 m. S.E. of Leghorn; 24,000 inh.; archbprc., univ. fnded. 1349, cath. 11th cent.; marble quarries nr. In Mid. Ages the seat of a republic.

Sienna, ●, pigment made of *terra di Siena* (S. earth), compnd. of iron oxide & earthy matter.

Sierra, Span. = saw; chain of ▲s with saw-like ridges.

Sierra Leone, Brit. settlemt. at mth. of S. L. ⚓, on W. Afr. coast, S. of Senegambia; 468 s.m., 60,000 inh. (almost all negroes); unhealthy clim., trop. prodcts. Cap. ⊙, Freetown. ♛: settled 1787 as refuge for liberated negroes; bprc. 1852. Govnr., apptd. by Crown, is also Governor of Gambia.

Sierra Nevada, 1] Span. ▲; highest pt., Mulahacen, 10,720 ft. 2] ▲ of California, U.S.A.; highest point, Witney, 13,600 ft.

Sieyès, Ern. J., Fr. statesm. & †, * 3/5 1748 Fréjus; amb. to Berlin 97, president of Directory 98, framed several constitutions, made count by Nap. I., exiled 15–30, †

Sif, Scandinav. myth., goddess of earth, wife of Thor.

Sigaud-Lafond, Jos. A., Fr.

moralist & ✍, * 5/1 1730, † 26/1 1810. ✍.

Sigebert, 3 kings of Austrasia (Metz): 1] I., * 535; suc. 61, assassd. 75. 2] II., * 601; suc. 13, slain soon aftrwds. by ord. of Clotaire II. 3] III., St., s. of Dagobert I., * 630, † 54. 4] K. of East Anglia, assassd. 642.

Sigillaria, ✿, genus of fossil plants in carbonif. rocks & Old Red Sandstone, with cylindrical, fluted, branchless stems, 30 to 60 ft. high, pitted w. leaf-scars; long roots (*stigmaria*) covered w. spiral pits & tubercles.

Sigillum, Lat. = seal.

Sigismund, 1] Emp. of Germ., * 14/2 1362; son of Chas. IV.; m. Mary of Hung. 85, k. of Hung. 87, emp. 1411, active part in Counc. of Constance 14–18, gave Huss safe-conduct, wh. was violated, † 9/12 37. 2] K. of Burgundy; suc. 516, assassd. 24. 3] *Poland:* I. ("the Great"), * 1/1 1467; son of Casimir IV.; k. 1506, expld. Russns. from Lithuania, † 1/4 48. 4] II., Augustus, s. of 3, * 1/8 1520; suc. 29 † 18/7 72; in his reign Crown made elective. 5] III., * 20/6 1566; s. of John III. of Sweden; elected k. of P. 19/7 87, k. of Sweden 1604, defeated Turk. ⚔ Chodkiewitz 21, † 30/4 32.

Sigmaringen, Prussian distr. includg. anct. principal. of Hohenzollern.

Signature, 1] ♯, signs of sharps & flats, placed at beginng. of composition, just aft. clef, affecting all notes of same name throughout piece unless counteracted by contrary sign. 2] In typog., letter or number at bottom of 1st page of every sheet of book, indicating its ord. to folder & binder. Sometimes placed at foot of oth. pp. than 1st.

Significavit, ✍, Chancery writ, now obsolete, for keepg. an excommunicate in prison till he submitted to Ch.'s authority; began with word S.

Signore (plur. *Signori*), Ital. = Mr. (Fem. *Signora;* dim. *Signorina.*)

Signorelli, Lucca, Ital. ◉, * 1439 Cortona, † there 1521.

Sigonio, Carlo, Ital. ♛ & Ψ, * 1524 Modena; prof. at Venice, Padua, & Bologna, † 12/7 84. ✍.

Sigourney, Lyd. H. (*née* Huntley), Amer. poet. & misc. ✍, * 1791 Norwich, Conn., † 65. "Pocahontas" 41, &c.

Siguna, Scand. myth., wife of Loki.

Sigurd, myth., the Norse Siegfried; falls in love with Brynhild, but und. influence of love-potion weds Gudrun.

Sikhs, Hindu ✝ sect fnded. by Nanuk Shah (1469–1539) on unity of Godhead, abolition of caste, univ. toleration, benev. & self-denial; und. Mohamm. persecution became ⚔ organisatn., wh. achieved indep. & grew into an empire wh. includ. the whole Panjab; deftd. in war w. Brit. 1845–6; rebellion 48–9; on side of Eng. in Mutiny of 57.

Sikok, island of Japan, S. of Nipon. Chf. ⊙, Awa.

Silberstein, Aug., Austr. poet. ✍, * 1/7 1827 Ofen.

Silcher, Fried., Germ. ♮, * 27/6 1789 Schnaith, † 26/8 1860 Tubingen. Part-songs, &c.

Silene, ✿, catchfly; genus of herbs, ord. *caryophyllaceæ;* narrow leaves; flower consists of calyx of 5 united sepals, 5 distinct petals, & 10 stamens; fruit a capsule, genlly. of 3 carpels; *ca.* 200 specs., N. temp. zone; 8 Brit.: *S. inflata,* bladder campion; *S. maritima,* sea-campion or catchfly; *S. conica,* striated corn catchfly; *S. anglica,* English catchfly; *S. acaulis,* rose-campion; *S. otites,* Spanish, *S. nutans,* Nottingham, & *S. noctiflora,* night-flowering catchfly.

Silent Order, ✝, *v.* Trappists.

Silenus, Grk. myth., tutor of Bacchus, & father of the Satyrs; drunken & bald-headed, with short horns & flat nose.

Silesia (Schlesien), 1] Prussian prov.; 15,666 s.m., 4,010,000 inh. Chf. ⊙, Breslau. Ceded to Pruss.

1763, at close of Seven Years War 2] Austrian S, prov of Austr, frmd out of what was left of S after cessn to Pruss, 1,987 s m, 570,000 inh Chf ⊙, Troppau

Silhet, district of Assam, Brit Ind, 5 440 s m, 1,720 000 inh tea & rice Chf ⊙ S, 17 000 inh

Silhouette, profile of face &c, cut out in, or filled in w, black Any very cheap article was called a S in Fr *ca* 1757 in derisn of the Finance Min (*v* Silhouette Etienne) some of his reforms being very small though vexatious

Silhouette, Étienne de, French statesm, * 5/7 1709, Comptroller Genl of Fin 57, † 20/1 67 ✓

Silica, *v* Silicon

Silicon, ⚗ most abundant of solid elemts, largest constit, except oxygen, of earth s crust, existing in sand, sandstone quartz chalcedony, &c, non metallic, resembles carbon ⚗ly, never found free, but combined w oxygen, first isolated by Berzelius 1810, obtnd as brown amorphous powder by heatg silicofluoride of potassium w metallic sodium, & as crystallised hexag plates by melting the silicofluoride w aluminium, & dissolving out the alumin by acids With hydrog, S forms *S hydride* colourless gas wh ignites by contact w air, w oxygen, *S dioxide* or silica (1 atom of S w 2 of oxygen) with oxyg & hydrog, silicic acid w metals, silicates (felspars, kaolin or clay, augite, hornblende, olivine, & serpentine) Symb, Si, atom wt 28 2, spec grav (crystallised) 2 49

Siliqua, Silique, ✱, narrow 2 valved capsule, in which the ripe valves separate fr a central partition wh is a development of placenta, *e g* fruit of wall flower

Silistria, ⊙ of Bulgaria, on ⚓ Danube, *ca* 20,000 inh, ⚒ destroyed under Berlin Treaty

Silius Italicus, Caius, Roman poet * *c* 25 ✓ 'Punica' printed 1471 † by suicide 100 near Naples

Silk Gown, ⚒, robe of a Q s Counsel, made of S, instd of stuff, like ordinary barrister s

Silkworm, entom, pop name for larva or caterpillar of any moth of wh the chrysalis is enclosed in cocoon of silk, specif *bombyx mori* S moth, nat of N China Sev gens of fam *saturnidæ* (*actias antheræa attacus, caligula, circula, lapa neoris, rimaca, rhodia, salassa, saturnia*), natives of China Jap, & India also bear silk Fibre imported to Eur from China until 551, when 2 Pers monks brought eggs to Constantinople Rearing of S s introduced into Sicily 1146, Spain 1253 Lyons 1521, Eng 1585

Silliman, 1] Benj, Amer ⚒ & ⚗, * 8/8 1772, fnded *Amer Journal of Science* 1818 † 24/11 64 ✓ 2] His s Benj ⚗ * 4/12 1816 ✓

Silo, ✓, pit in wh green fodder is tightly packed to make ensilage

Silometer, ⚓, instrument for measuring dist traversed without aid of log line

Silt, ⚒, fine soil deposited from water

Siltim, Persn myth demon in human form who haunts forests & woods

Silures, ♛ anct British tribe wh inhab Hereford, Monmouth, Radnor, Brecon, & Glamorgan

Siluridæ, Cat fishes ichth, fam of ord *physostomi*, scaleless, often with bony shields embed in skin, always w barbels, frd chiefly in trop & temp fresh waters

Silva, Jean B, Fr Jewish ♯, * 13/1 1682 Bordeaux, † 19/8 1742 ✓

Silva Mendez Leal, Jose da, Port poet ✓, * 18/10 1820 Lisbon

Silver, ⚒, found in free state, also w chlorine, forming horn S, w sulphur, S glance, & w bromine, iodine, arsenic, antimony, & galena (lead ore), very malleable & ductile, spec grav 10 505 atom. wt 108, best conductor of heat & electricity, generally alloyed with copper for hardness Sterling S, 92½ pts of S w 7½ copper Digested

with ammonia, forms Berthollet's detonating S. Has been a medium of exchange for many years: its depreciatn. began 1876, caused partly by its increased production in S. Amer., with adoption by Germ. of gold coinage. Chloride, bromide, & iodide of S. are insol. compnds., decomposed by light, used in photography.

Silver Wedding, 25th anniversary; Golden W., 50th; Diamond W., 75th.

Silverpen, pseud. of Eliza Meteyard.

Silvester, *v.* Sylvester.

Silvio Pellico, *v.* Pellico, Silvio.

Simart, Pierre C., Fr. ⚲, * 27/6 1806, † 27/5 57.

Simarubaceæ, ✿, quassiads; ord. of trop. trees or shrubs genlly. w. compound leaves, flowers with distinct sexes; 4 tribes (*simarubeæ, harrisoneæ, ailantheæ, spatheliceæ*); 17 gen.; intensely bitter; bark of *simaruba amara* yields quassia, ℞.

Simcox, Geo. A., poet. & misc. ✓; "Prometheus Unbound" 1867, "Poems & Romances" 69.

Simeon, 1] Chas., †, * 24/9 1758 Reading, † 13/11 1836 Cambridge. ✓ "Horæ Homileticæ" 32. 2] S. of Durham, 12th cent. ♛ ✓ & math. at Oxford.

Siméon, Count Joseph J., Fr. statesman & ⚖, * 30/9 1749 Aix; Presdt. of Council of State 1807, Min. of Inter. 20, † 19/1 42.

Simeon-Sethus, Greek gastronom. ✓ at Constantinople, 11th cent.

Simeon Stylites, founder of Stylites = Pillar Saints, * *ca.* 392; monk of Cilicia, said to have passed 47 years on a pillar, † 1/9 460, buried at Antioch.

Simeoni, Giovanni, Ital. †, * 27/12 1816 Pagliano; nuncio at Madrid & card. 75, Sec. of State 76, Prefect of Propaganda 78.

Simla, distr. of Panjab, B. Ind.; 18 a.m., 35,000 inh. Chief ⊙, S.; summer resid. of Govr.-Genl. since 1864, on spur of Himalayas, 7,084 ft. above sea; 15,000 inh.

Simmons, Saml. F., brain ℞, * 17/3 1752; founded *Med. Register*, † 23/4 1813.

Simms, Wm. Gillmore, Amer. poet. & misc. ✓, * 1806. "Atalantis" 32, "♛ of S. Carolina" 59, &c.

Simnel, Lambert, Eng. pretendr., * *ca.* 1472; son of Oxford baker; personated E. of Warwick, son of Dk. of Clarence, proclaimed k. as Edwd. VI., deftd. 6/6 87 at Stoke, spent rest of life in royal kitchen.

Simnel Cake, raised C., crust coloured w. saffron, interior compd. as plum-puddg. w. layers of almond; sent as present at Christmas, Easter, & Mothering Sunday (Mid-Lent) in W. Midlands & elsewhere.

Simon, 1] Jules (Suisse), Fr. statesm. & ⚖, * 31/12 1814 Lorient; ⚖ lecturer at Sorbonne 39, memb. of Govt. of National Defence, Min. of Pub. Instructn. 71–3, life-senator 75, Premier 76–7, memb. of Fr. Acad. 75. ✓. 2] Simon, Fr. Hebraist & ⚖, * 1638; prof. of ⚖ in Paris, † 1712. 3] Aug. H., ✓, * 29/10 1805 Breslau, † 16/8 60. 4] Marie, philanth., * 26/8 1824 Doberschau, † 21/2 77. ✓.

Simonians, † = Gnostics; so-named fr. belief that Simon Magus was their founder.

Simonides, Grk. lyr. poet, * 556 B.C. Ceos, † 467 Syracuse. There were several other Greek ✓s of the name.

Simony, trafficking in sacred things, espec. buying or selling of ecclesiastical preferments; named after Simon Magus (Acts viii. 18).

Simoon, hot suffocating wind wh. blows over Asian & Afr. deserts, driving before it clouds of sand; called in Algiers & Italy *sirocco*, Egypt *kamsin*, Turk. *samiel*, Guinea *harmattan*.

Simplicius, St., Pope 468–83; festival 2/3.

Simplon, Swiss ▲, in Helvetian Alps, E. of Valais, 11,124 ft. S. Pass, 6,855 ft., is crossed by ✕ road made by Napol. I. 1801–6.

Simpson, 1] Jas., Brit gen., * 1792 Roxburghsh.; chf. of staff in Crimean War 54, comd.-in-chf. 55, failed in assault on Redan & returned home, G.C.B., † 18/4 68. 2] Jas. Young, Scot. ⚕ & Ψ, * 7/6 1811 Bathgate; discovd. use of chloroform in ⚕ 47, bart. 66, † 6/5 70. ⁄. 3] Thos., math., * 20/8 1710, † 14/5 61. ⁄ "Nature & Laws of Chance," &c. 4] John Palgrave, ✆ & nov. ⁄. "Second Love" 1846, *World & Stage*, &c.

Simrock, Karl J., Germ. poet & translat., * 28/8 1802 Bonn; prof. of Germ. ⁄ there 50, † 18/7 76. "Wieland the Smith," &c.

Sims, Geo. Robt. ("Dagonet"), ✆ & misc. ⁄, * 2/9 1847 London. "Dagonet Ballads," *Crutch & Toothpick* 79, *Lights o' London* 81, *Romany Rye* 82, *Harbour Lights* 85, "How the Poor Live," 85, &c.

Simson, 1] Robt., Scot. math., * 14/10 1687 Kirton Hall, Ayrsh.; prof. of math. Glasgow 1711–61, † 1/10 68. ⁄ "Elements of Euclid" 58. 2] Martin E., Germ. ⚖, * 16/11 1810 Konigsberg.

Sinai, ▲ous district of Arabia, between the 2 heads of Red Sea. Mount S. is southern end of a ridge 3 m. long, w. Horeb at N. end. Now Jebel-Mûsa = Mount of Moses; *ca.* 7,000 feet.

Sinapis, *v.* Mustard.

Sinapism, ⚕, mustard plaster.

Sinciput, anat., uppr. pt. of head.

Sinclair, 1] John, Scot. econ. & ✓, * 1754; bart. 88, † 1835. ⁄. 2] His dau., Catherine, rom. ⁄, * 17/4 1800, † 6/8 64.

Sind, or Scinde, W. prov. of Brit. Ind.; 56,632 s.m., 2,350,000 inh. (mostly Mohamms.); incl. distrs. of Karachi, Haidarabad, Thar & Parkar, Shikarpur, & Upp. S. Frontier. Annexed by Sir C. Napier 1843.

Sindon, ⚕, small piece of rag put into hole made in skull by trepanning.

Sine, 1] trigonom., straight line drawn from one extremity of an arc perpendic. to the diameter passing through other extremity. 2] Math., the length of such line when radius is unity is the S. of the *angle*.

Sin-eater, person hired at anct. funerals to take upon himself the deceased's sins, being rewarded with food, drink, & money.

Sine die, Lat. = without a day; indefinitely.

Sine quâ non, Lat. = without which not; an indispensable condition.

Singapore, isld. (w. sm. islets) *ca.* ½ m. off S. extremity of Malay Peninsula, forming Brit. settlemt.; 224 s.m., *ca.* 140,000 inh. (chiefly Chin.). Chf. ⊙, S; free-port; 100,000 inh.; seat of govt. for whole of Straits' Settlements. Bought 1819.

Singbhum, distr. of Chutia Nagpur, Brit. India; 4,503 s.m., 420,000 inh. Chf. ⊙, Chaibasa; 4,000 inh.

Singer, Samuel W., Ψ, * 1783, † 1858. ⁄ "♛ of Playing-Cards," "Vindication of Text of Shakespeare from Collier."

Single-speech Hamilton, *v.* Hamilton 10.

Singleton, Hy., ♛ & port. ●, * 1766, † 15/9 1839.

Singular Doctor, title of Wm. of Occam, *v.* Occam.

Sinister, heraldry, left side of escutcheon.

Sinking Fund, F. for gradual extinction of debt; specif., F. for liquidating British National Debt.

Sinoji, Japan. carver, 18th cent.

Sinon, Greek who induced Trojans to drag Wooden Horse inside Troy.

Sinope, ⚓ ⊙ of Asiat. Turk., on S. shore of Black S.; 10,000 inh. Turk. frigates destroyed 30/11 1853 by Russian fleet.

Sinter, ⚒, incrustatn. on rocks, &c., from ♁ waters; calcareous (mainly carbonate of calcium) or silicious (almost pure silica).

Sionites, †, Norweg. sect wh. embroidered "Sion" on sleeves; dissolved by ⚖ *ca.* 1740.

Siout, ⊙ of Upper Egypt, on ▲ Nile, 200 m. S. of Cairo; 25,000 inh.

Sioux, N. Amer. Indian race orig. in Minnesota & Dakota.

Siphon, bent vacuum tube, one branch longer than other; transfers liqds. fr. higher to lower level by action of atmospheric pressure.

Siphonostomata, zool., carniv. ⚓ gasteropod mollusks; aperture of shell notched or produced into a canal in front for emissn. of the mantle, which is prolonged into a siphon for conveying water into branchial chamber; *e.g.*, whelks, cowries, & wingshells.

Sipunculus, zool., genus of worms typ. of *sipunculidæ*; *S. bernhardus* com. on Brit. coasts; *S. edulis* eaten by Chinese.

Si quis, ✝. Latin = if anyone; notification by candidate for holy orders of inquiry whether impediment is to be alleged against him.

Sirang, *v.* Ceram.

Siren, 1] zool., any member of family *sirenidæ*, eel-like aquatic mammals allied to *cetacea*; 2 anterior feet, permanent gills, 2 mammæ; 2 recent gen., *halicore* & *manatus*, N. Amer. 2] ♫, instrument for determining rate of vibrations in a note. 3] Steam fog-signal.

Sirens, class. myth, 3 daus. of ⚸ Archelous & Terpsichore, half-human, half-bird, who allured sailors to death. Singing in vain to the Argonauts, they threw themselves into sea & were changed into rocks.

Sirius, ☄ & myth., the Dog-star; brightest fixed star in *Canis Major*, just below Orion. One of the two hounds held in leash by O.

Sirmond, 1] Jacq., Fr. ✝ ♛ / & Jesuit, * 12/10 1559, † 7/10 1651. 2] His nephew, Ant., Jesuit ✝, * 1591, † 12/1 1643.

Sirocco, *v.* Simoon.

Sirsa, distr. of Hissar, Brit. Ind.; 3,121 s.m., 220,000 inh. Chf. ⊙, S.; 11,000 inh.

Sismondi, Jean C. L. S. de, ♛ /, * 9/5 1773 Geneva, † there 25/6 1842; ♛s of Italy, France, &c.

Sisters of Mercy, Rom. ✝, order fnded. 1827 Dublin by Cath. McAuley; houses in Ireland, Gt. Brit., Amer., Austral., N. Zealand.

Sistine Chapel, Ch in Vatican built by Pope Sixtus IV.

Sistova, Bulg. ⊙ on Danube, 23,000 inh. Treaty 4/8 1791.

Sisyphus, Grk. myth., fndr. & king of Ephyra (Corinth); condemned in lower world to roll up hill huge block of marble, which always rolled down again.

Sita, Hind. myth., wife of Rama (Vishnu incarnate), carried off by giant Ravana.

Sitapur, divsn. of Oudh, Brit. Ind., incldg. 3 distrs. of S., Hardoi, & Kheri; 7,455 s.m., 2,620,000 inh. Distr. of S., 2,206 s.m., 950,000 inh.; chf. ⊙ S., 6,000 inh.

Sitiology, ✝, dietetics.

Sitiophobia, ✝, refusal of food.

Sitka, sm. island of U.S.A., off cst. of Alaska. Chf. ⊙, S.; 2,000 inh.

Siva, *v.* Brahminism.

Sivatherium, palæontol., extinct large 4-horned hoofed quadruped, resembling antelope; found in Sewalik Hills of N. India.

Sivers, J. v., ♛ /, * 13/11 1823 nr. Dorpat; prof. at Riga, † 25/4 79.

Siwas, Turkish vilayet of Asia Minor, 580,000 inh.; chf. ⊙ S., 40,000 inh.

Six Acts, or Gagging Acts, Eng. ♛, 1 Geo. IV., cc. 1, 2, 4, 6, 8, 9, passed 1819 to suppress seditious meetings & publications.

Six Articles, Eng. ♛, Act 31 Hy. VIII., c. 14, declaring it a felony to deny real presence, or to affirm necessity of auric. confession or of commun. in both kinds, marriageability of priests, obligation of vows of chastity, or expediency of private masses.

Six Chronicles, Eng. ♛, compilation of documents of pre-Conquest times.

Six Members, Eng. ♛, the M.P.s whom Charles I. went into House of Comns. to arrest 3/1 1642: Lord Kimbolton, Pym, Hollis, Hampden, Haselrig, Stroud.

Six Months' War, Franco-German W. 28/7 1870–28/1 71.

Six-Principle Baptists, †, Amer. sect with 6 leading tenets: Repentance from dead works, faith towards God, believers' baptism, laying on of hands, resurrection of dead, eternal judgment.

Sixteen-string Jack, John Rann, highwayman, who wore 8 tags at each knee; hanged 1774.

Sixtus, *Popes:* 1] I., St., P. 119, murd. 6/8 128. 2] II., St., * *ca.* 180 Athens; P. 257, martyred 6/8 258. 3] III., St.; P. 432 Rome, blt. many churches, † 18/8 440. 4] IV. (Francesco d'Albescola della Rovere), * 22/7 1414; P. 9/8 71; built Sistine Chapel, Rome, † 13/8 84. /. 5] V. (Felice Peretti), * 13/12 1521 Grottamare; shepherd-boy, bp. 66, card. 70, P. 85, excom. Hy. III. of Fr. & Elizab. of Eng., † 17/8 90.

Sizar, Sizer, student at Camb. or Dublin Univs. who pays low fees, & formerly performed menial offices. At Oxford a Servitor.

Skager-Rack, arm of sea betw. Norway & Denmark, *ca.* 150 × 80 m.

Skilpund, Swed. weight = ·938 lb. avoirdupois.

Skald, *v.* Scald.

Skate, ichth., pop. name of sevl. specs. of gen. *raja* (rays), differing from rays proper in having long pointed snout; esp. *R. batis.* Long-nosed S., *R. romer;* Burton S., *R. marginata;* Shagreen S., *R. fullonica.*

Skeat, Walter Wm., philol. & †, * 21/11 1835 London; prof. of Anglo-Saxon, Cambridge, 78. / "Etymol. Dict." 79, works on Early Eng., &c.

Skeleton consisting in human adult of 213 bones. In a natural S. the bones are connected by the dried ligaments; in artificial S., by wire; in a disarticulated S. they are separated.

Skelligs, 3 rocky islds. off co. Kerry, 7 m. W. of Bolus Head.

Skelton, John, satir. poet, * *ca.* 1460 Norfolk (?); poet-laureate, took sanc. at Westmnstr. against Wolsey, † there 21/6 1529. / "Why come ye not to Courte?" &c.

Skene, Wm. Forbes, Scot. Ψ, * 7/6 1809 Inverie; H.M.'s ☙ographer for Scotld. 81. / "Celtic Scotland," &c.

Skerries, 1] sm. rocky islds. off N.W. coast of Anglesea. 2] Pentland S., 2 small islands 5 m. N. of Duncansby Head, N. of Scotland.

Sketchley, Arthur, *v.* Rose, Geo.

Skialethia, collection of epigrams publd. 1598, again 1641.

Skibpund, Norweg. measure of weight = *ca.* 320 lbs.

Skidbladnir, Scand. myth., ship large enough to hold all the gods, sm. enough to be folded up & put into pocket; always commanded favourable gale.

Skiddaw, ▲ of Cumberland, 3,058 feet.

Skin, anat., consists of outer layer (cuticle, epidermis, or scarf skin) & inner one (*cutis, cutis vera,* or *corium*), with a 3rd, the subcutaneous cellular tissue, underneath. The *cutis* is made up of densely-interwoven tissues, supplied with blood-vessels & nerves, sweat-glands, & sebaceous glands (which secrete oily matter). *Papillæ* are small conical processes on surface of *cutis,* each containing a group of blood-vessels & a nerve.

Skinner, John, Scot. Episcopal. † & misc. /, * 1721, † 1807. "Eccles. ☙ of Scotland," &c.

Skirret, ✿, *sium sisarum,* perennial umbellif. plant of China, cultivd. in Eur. for edible root.

Skobeleff, Mich. D., Russian genl., * 1845 near Moscow; in expeditions to Khiva & Khokand, maj.-genl. 75, govr. of Khokand 76, brillnt. service in Russo-Turk. War, took Geok-Tepe 80, † 7/7 82 St. Petersburg; panslavist.

Skoda, Josef, Bohem. ♯, * 10/12 1805 Pilsen; prof. at Vienna, † 13/6 81. / "Auscultatn. & Percussion."

Skrzynecki, Jan B., Pol. genl.

& math., * 18/2 1786 Galicia; head. revol. of 1831, † 12/1 60 Cracow.

Skua, ornith., gen. *stercorarius* of sea-gulls; predatory swimming birds; 4 specs. visit Britain.

Skulda, Scand. myth., personification of the Future.

Skull, anat., is divd. into cranium (*q.v.*) & face, composed of 14 bones: superior maxillary, malar, nasal, palate, lachrymal, & inferior turbinated bones (all in pairs), w. vomer & inferior maxilla.

Skunk, zool., any member of gen. *mephitis*, esp. *M. mephitica*, N. Amer.; resembles badger; ejects fetid acrid secretion from anal glands. Skin used by furriers.

Skuptschina, the Servian Parliament.

Skye, largest island of Inner Hebrides, part of Inverness co.; ▲ous; 547 s.m., 17,000 inh. Chf. ⊙, Portree; 800 inh.

Skylark, *v.* Lark.

Skyros, Grk. island in Grecian Archipel.; 58 s.m., 3,000 inh.

Slag, vitreous ⊕ matter removed in smelting of metals; used in cement, artificial stone, &c.

Slaked Lime, calcium oxide sprinkled with water; calcium hydrate: used in building. *v.* Lime.

Slander, ⚖, malicious defamation by *spoken* words (*v.* Libel); only remedy, civil action.

Slate, ⚒, hardened shale, wh. can be split into thin sheets. Roofing S.s are largely quarried from Silurian rocks at Festiniog & Llangollen (N. Wales), Bannisdale & Coniston (Lake district).

Slater, Wm., † & poet. ✓, * 1587, † 1647. "Threnodia" 19.

Slave Coast, distr. on coast of Upper Guinea, betw. ⅄ Volta & Lagos.

Slavery, trade abolshd. by Brit. 1/1 1808; S. abolished in Brit. Empire 30/8 1833, 770,000 slaves being emancipated at cost of 20 millions sterling; by France in 1848, U.S.A. 1/1 63, Netherlands 63, Portugal 78, Brazil 71, 88, Spain 80.

Slavonia, *v.* Croatia.

Slavs, Slavonians, Oriental race which settled in Hungary 9th cent. & spread over E. Eur.; estimated now to number *ca.* 90,000,000; in Russia, Austro-Hungary, Poland, Servia, Bulgaria, &c.; incl. Serbs, Croats, Bosnians, Slovaks, Dalmatians, Herzegovinians, Wends, Bulgarians, Poles, Tschechs, Bohemians, Moravians, Russians.

Sleeman, Wm. Hy., Ind. administrator, * 1788; Resident at Lucknow 1842, † 58.

Sleidan, Johann P., Germ. ♛ & Protestant ✓, * 1506 Schleide, near Cologne; settled at Strasburg, † 31/10 56.

Sleipnir, Scand. myth., Odin's grey horse, wh. had 8 legs & could travel on both sea & land.

Sleuth-hound, hound wh. follows *sleuth* or *slot* = track; bloodhound.

Slide-rule, Sliding Rule, math. instrument used in gauging & mensuration, resembling joiner's rule, but made in 2 parts, one of which slides along the other, & with numbers so arranged that when a numb. on one scale corresponds with a number on other the product or some other function is obtained.

Slidell, John, Amer. ⚖ & Confed. polit., * 1793; taken from British steamer *Trent* by Capt. Wilkes 1861 on way to Paris, but released, † 26/7 71.

Sliding Scale, scale for raising or lowering imposts, according to rise or fall in price of goods.

Sligo, marit. co., Connaught, Ireland; 721 s.m., 110,000 inh.; rets. 2 M.P.s (N. & S. divisions). Chf. ⊙, S.; 10,000 inh.

Slingeland, P. v., Dutch ⚭, * 1640 Leyden, † 91.

Slingsby, Jonathan Freke, pseud. of J. F. Waller.

Sloane, Hans, Irish ✠ & naturalist, * 16/4 1660 Killyleagh; bart. 1716, presdt. of Coll. of Physicns. 19, of Roy. Soc. 27, † 11/1 53 Chelsea; his bks. & natl. ♛ collection,

purchased by Parlt. under his will for £20,000, in Brit. Museum.

Sloane MSS., 3,560 MSS. collected by Sloane; in Brit. Mus.

Sloe, *v.* Prunus.

Slogan, specif., a Highland war-cry; generally, a watchword.

Sloop, ⚓, fore-&-aft rigged vessel w. 1 mast, like cutter, but havg. jib-stay & standing bowsprit. S.-of-war, any vessel betwn. corvette & gunboat.

Sloth, zool., any individ. of grp. *tardigrada*, ord. *edentata*, forests of S. Amer.; slow movemt. on ground is caused by peculiar structure of wrist- & ankle-joints.

Sloth-bear, zool., *melursus labiatus*; India.

Slovaks, *v.* Slavs.

Slow Match, *v.* Match.

Slow-worm, Sloe-worm, zool., *anguis fragilis*; blind-worm.

Slowacki, Jul., Pol. poet. ✓, * 23/9 1809 Wilna, † 4/8 49 Paris.

Slug, 1] zool., any individ. of fam. *limacidæ*, esp. *limax agrestis*, grey S.; & *L. maximus* (or *antiquorum*), great grey S. Black S. or snail, *arion ater*; red S., *A. agrestis*. 2] Extemporised bullet.

Slur, 𝄿, curved line over notes wh. have to be played smoothly.

Småland, distr. of S. Sweden; 650,000 inh.

Smalbroke, Richard, †, * 1673; bp. of St. David's 1728, of Lichfield & Coventry 30, † 22/12 49. ✓ "Vindication of Our Saviour's Miracles."

Smalkaldic Articles, A.s formulating principles of S. League, drawn up by Luther 1536, subscribed 37.

Smalkaldic League, ♛, alliance for defence of Protestantism, formed 1531 among N. Germ., Denmark, Saxony, Wurtemburg, parts of Bavaria, & Switzerland. War of S. began 1546, ended with Treaty of Passau 52.

Small Beer Poet, Wm. Cobbett's nickname for W. T. Fitzgerald (* 1759, † 1829).

Small-pox, Variola, ✱, contag. febrile disease, charact. by pustular pimples. Simple S.-pox, *variola discreta*, rarely fatal; confluent S.-p., *V. confluens* (pimples run into one another), often fatal; malignant S.-pox, *V. hemorrhagica* (pimples purplish-black, fr. effusn. of blood), genlly. fatal in 48 hours. *v.* Vaccination.

Smalt, glass coloured blue by oxide of cobalt.

Smart, 1] Geo. Thos., 𝄿, organ., & composer, * 1776, † 23/2 1867. 2] His neph., Hy., 𝄿, * 1813, † 79; comp. *Jacob* 73, &c. 3] Christoph., poet. ✓, * 11/4 1722 Shipbourne; Fell. of Pembroke Hall, Camb.; won Seatonian prize in 5 consec. yrs., † 22/5 71 Kg.'s Bench prison. "New Version of Psalms" 65, "Parables in Familiar Verse" 68, &c. 4] Hawley, Eng. sporting novel ✓. "Sunshine & Snow" 1879, &c.

Smart-money, 1] ✕, money paid by a recruit, bef. being sworn in, to buy himself off. 2] ⚖, excessive damages. 3] Generally, money paid to get rid of a difficulty.

Smeaton, John, civil ⚙, * 8/6 1724 nr. Leeds; re-blt. Eddystone lightho. 57, replaced burnt woodwork w. stone 70, † 28/10 92. ✓.

Smectymnuus, title of attack on Eng. Episcopacy in 1641 by 5 Presby. †s, the initials of whose names formed title: S. Marshall, E. Calamy, T. Young, M. Newcome, W. Spinstow. Milton wrote "Apology for S." 42.

Smedley, 1] Frank E., nov. ✓, * 1818 Marlow, † 1/5 64. "Frank Fairlegh," "Lewis Arundel," &c. 2] Edwd., Eng. † & ♛ ✓, * ca. 1789, † 29/6 36. "♛ of Reformed Relig. in Fr." 32–34, &c. 3] Menella Bute, poet. & misc. ✓; "Two ☾ Poems" 1874, &c.

Smee, Alf., ✱ & electrician, * 1818; invtd. S.'s galvanic battery & present method of printing Bank of England notes, † 11/1 77. ✓.

Smelfungus, Sterne's nickname for Smollett *à propos* of latter's "Travels through France & Italy,"

wh. is parodied in "A Sentimental Journey."

Smellie, Wm., Scot. naturalist & projector of "Encyclop. Britannica," * 1740 Edinb., † 24/6 95. / "♁ of Natural ♛."

Smelt, ichth., small food-fish, *osmerus eperlanus.*

Smelting, obtaining metal from ore by heat, air, & fluxes.

Smetana, Fried., Germ. ♫, * 2/3 1824 Leitomischl, † 84 Prague.

Smew, Smee, Nun, ornith., a marine duck, *mergus albellus,* of Arct. regions; visits Brit. in winter.

Smidt, 1] Johann, founder of Bremerhaven, * 5/11 1773 Bremen, † 7/5 1857. 2] H., /, * 18/12 1798 Altona, † 3/9 1867.

Smilax, ♣ gen. of trop. climbing shrubs typical of *smilacea;* roots yield sarsaparilla.

Smiles, Saml., Scot. misc. /, * 1816 Haddington; LL.D. Edinb. 78. "Self-help" 59, "Character" 71, Lives of Geo. Moore & Robert Dick 78, &c.

Smirke, 1] Robt., Eng. ◉, * 1752; R.A. 92, † 1845. 2] His s., Robt., ▲, * 1788; A.R.A. 1808, R.A. 11, knt. 31; designed Mint, Brit. Museum, Genl. P. Office, &c., † 18/4 67. 3] Sydney, ▲, bro. of 1, * 1799; A.R.A. 1848, R.A. 60, † 8/12 77.

Smith, 1] Adam, moral & polit. ♁, founder of political economy, * 5/6 1723 Kirkcaldy; prof. of logic Glasgow 51, of moral ♁ 52, Comsr. of Customs at Edinb. 78, ld. rector of Glasgow Univ. 87, † 17/7 90 Edinburgh. / "Theory of Moral Sentiments" 59, "Nature & Causes of Wealth of Nations" 76, "Last Illness of Dav. Hume" 77, &c. 2] Albert Richd., nov. & misc. / & humorist, * 1816 Chertsey, † 60. "Adventures of Mr. Ledbury," "Scattergood Family," &c. 3] Alex., Scot. poet. & misc. /, * 31/12 1830 Kilmarnock; sec. of Edinb. Univ. 54, † 5/1 67. "Life Drama" 53, "City Poems" 57, "Edwin of Deira" 61, &c. 4] Andrew, ✕, ♪, & zool., * 1797; Direct.-Genl. of Army ♪ Department 1851, K.C.B., † 11/8 72. /. 5] Archibald L., ⚖, * 1836; judge of Q.'s Bench Divsn. 83.

6] Charlotte (*née* Turner), poet. & nov. /, * 4/5 1749, † 28/10 1806. "Elegiac Sonnets" 1784, &c. 7] Edmund (real name Neale), poet. /, * 1668, † 1710. "Phædra," &c. 8] Francis Pettit, ⚙, * 9/2 1808 Hythe; invtd. screw propeller 34, kntd. 71, † 11/2 74. 9] Gamaliel, pseud. of Jeremy Bentham. 10] George, Assyriologist, * 1840 Cheltenham; excav. Nineveh 73, discovd. Carchemish 76, † 19/8 76 Aleppo. / "Assyrn. Discovs.," &c. 11] G. Barnett, misc. /, * 17/5 1841 Ovenden. 12] George Vance, Unit. †; principal of Presbyterian College, Carmarthen. / "Bible & Popular †," &c.

13] Goldwin, ♛ & polit. /, * 13/8 1823 Reading; 1st class in classics Oxford 45, Fellow of Univ. Coll. Oxfd. 47, Reg. prof. of mod. ♛ there 58–66, prof. in Cornell Univ. New York 68, member of senate of Toronto Univ. 71. "Three Eng. Statesmen" 67, &c. 14] Harry G. W., Brit. ✕ offr, * 1788; Ind. adjutant-genl. 1839, won ✕ of Aliwal 46, govr. of Cape Colony 47–54, † 60. 15] H. J. S., math., * 1826; Savilian prof. of geom. 61, † 83. /. 16] Isaac Gregory, † & misc. /, * 1826; Bampton lect. 83, hon. canon of Worcester 87. "Fra Angelico & Other Poems" 71.

17] James, parodist, * 10/2 1775, † 24/12 1839. / (with 18) of "Rejected Addresses" 12. 18] His bro. Horace, parodist & nov. /, * 31/12 1779, † 12/7 1849. "Heads & Tails" 36, &c. 19] Jas., Scot. poet. & nov. /, * 1824. "Poems, Songs, & Ballads" 66. 20] Jas., Scot. ♪, ⚙, & sanitarian, * 1789 Glasgow, † 10/6 1850. /. 21] Sir Jas. Edwd, ♣, * 2/12 1759 Norwich; founded Linnean Soc. 1788, † 17/3 1828. / "Eng. ♣" (36 vols. 8vo), &c. 22] John, traveller & advntr., * 1579; served against Turks, sevrl.

voyages to America, saved from death by Pocahontas, † 1631. /. **23]** John, Scot. † & Ψ, * 1747, † 1807. **24]** John, † /, * 1563, † 1616. "Essex Dove." **25]** John, †, * 1618, † 52. "Ten Select Discourses." **26]** John Pye, Congreg. †, * 25/5 1774 Sheffield; principal of Homerton Coll. 1801, F.R.S. 40, † 5/2 51. / "Script. Testimony to Messiah" 18–21, "Holy Script. & ⚒" 39, &c. **27]** John Thos., engraver, Ψ, & art /, * 1766; keeper of prints & drawings in Brit. Mus., † 8/3 1838. "Anct. Topography of London," &c. **28]** Joseph, fnder. of Mormonism, * 1805 Windsor, Vermont; appeared as prophet 23, arrested on charge of treason 44, murdered by mob 27/6 44 Carthage. **29]** Miles, †, * 1568; one of translators of Bible, / of the preface, bp. of Glo'ster 1612, † 20/10 24. /. **30]** Richd., Rom. Cath. †, * 1500; Regius prof. of divinity Oxford, preached executn. sermons of Latimer & Ridley, † 63. **31]** Robt. Angus, ♃, * 15/2 1817 near Glasgow; F.R.S. 59. / "Rain & Air" 72, &c. **32]** Robt. Payne, Hebraist & †, * /11 1818 Gloucestershire; Regius † prof. at Oxford 65, dean of Canterbury 71. /. **33]** Saml., Nonconform. †, * 1588; ejected 1662, † æt. 68. /. **34]** Sydney, †, & polit. & critic. /, * 3/6 1771 Woodford; a fnder. & 1st editor of *Edin. Review* 1802, canon of Bristol 28, of St. Paul's 31, † 22/2 45. Peter Plymley Letters 07, "Moral ⚖" 49, &c. Memoir by Lady Holland (his daughter) & Mrs. Austin. **35]** Theyre T., Anglican † & mental ⚖, Hulsean lect., † 1852. **36]** Thos., Angl. † at Constantinople, & orientalist, * 3/6 1638, † 11/5 1710. /. **37]** Sir Thos., statesm. & ♛ /, * 28/3 1514; prof. of Grk. & civil ⚖ Cambridge, Sec. of State 48–9, 72–4, ambass. to Germ. 49, † 12/8 77. / "Right Pronunciation of Greek," &c. **38]** Thos. S., sanitarian, * 1788 Martock, † 1861. /. **39]** Walter C., Scot. † & poet. /; "Hilda" 1879. **40]** Wm., ⚒ ("Father of Eng. ⚒"), * 23/3 1769 Churchill; framed 1st complete ⚒ map of England & Wales, † 28/8 39 Northampton. / "Stratigraphical Syst. of Organised Fossils" 17, &c. **41]** Wm., class. schol., * 1813 London; eductd. London Univ., class. exam. there 58–69, editor of *Quart. Review* 67. / Dictionaries of Grk. & Rom. Ψs, Biog. & Mythol., & ☾, &c. **42]** Wm., †, class. transl., & misc. /, * 1711; dean of Chester, † 12/1 87. **43]** Wm. Hy., statesm., * 24/6 1825 Lond.; M.P. for Westminster 68–85, for Strand 85, 86, 1st Ld. of Admiralty 77–80, War Sec 85, Irish Sec. 86 (6 days), War Sec. 86, 1st Lord of Treasury & leader of Ho. of Commons 87.

44] Wm. Hy., ⚓ surveyor, Ψ, & ☆, * 1788; presdt. Roy. ☆ Soc., † 1865. **45]** Wm. Robertson, orientalist & †, * 8/11 1846 Keig; prof. of Hebrew, Free Coll. Aberdeen 70, removd. by Genl. Assembly 81, prof. of Arabic at Cambridge 83, librarian 86, joint-editor of *Encyclo. Britannica*. / "Old Testamt. in Jewish Church" 80, "Prophets of Israel" 82, &c. **46]** Wm. Sidney, Brit. adml., * 1764 London; held Acre agnst. Napol. I. 61 days 99, rear-adml. 1804, adml. 21, † 26/5 40 Paris.

Smith's Prize-man, winner of one of two annual prizes of £25 fnded. at Cambridge by Dr. R. Smith for students in math. & natural ⚖.

Smithsonian Institute, scientific I. at Washington, U.S.A., fnded. by Jas. Smithson († 1825 Genoa), & endowed 1846 w. £100,000; contains library, picture-gallery, museum.

Smock-mill, windmill w. rotating cap on vertical axis to present sails to wind. In post-mill the whole M. rotates for same purpose.

Smolka, Franz, Austr. patriot & statesm., * 4/11 1810 Kalusz.

Smoke Farthings, *v.* Hearth Money.

Smoke Silver, sum (6d.) paid yearly to incumbent of parish in lieu of tithe-wood.

Smollett, Tobias, Scot. ✝ & nov., ♛, & misc. ✓, * 1721 Renton, † 20/10 71 Leghorn. "Tears of Caledonia" 46, "Roderick Random" 48, *The Regicide* 49, "Peregrine Pickle" 51, "Ferdinand, Count Fathom" 53, transl. of "Don Quixote" 55, "♛ of Eng." & "Compend. of Voyages & Travels" 57, "Sir Launcelot Greaves" 62, "Travels thro' France & Italy" 66, "♛ & Adventures of an Atom" 69, "Humphrey Clinker" 71, "Ode to Independence" 73, &c.

Smorzando, Smorzato, ♯, Ital. = gradually fading away.

Smudge-coal, ⚒, coal partially deprived of bitumen by contact w. heated trap-dykes, &c.; natural coke.

Smut, ✱, *ustilago segetum* (or *carbo*), fungus wh. attacks ears of barley, oats, rye, & (rarely) wheat.

Smyrna, ⚓ ⊙ of Asiatic Turk., at head of Gulf of S., on W. coast; 150,000 inh.; caravan communication w. Damascus & Bagdad; railways to interior. A reputed birthplace of Homer. Old S., close by, near village of Burnabad.

Smyth, 1] Chas. Piazzi, ✎, * 1819; ✎-royal for Scot. ✓. 2] Jas. C., Scot. ✝, * 1741, † 18/6 1821. 3] Sir Jas. C., Brit. offr., * 1779; comd. Engineers at Waterloo 1815, govr. of Brit. Guiana & Demerara 33, † 4/8 38 Guiana. ✓. 4] Wm., ♛ & † ✓, * 1766; prof. of mod. ♛ at Camb. 1807, † 26/6 49. "Evidences of Xtianity.," &c. 5] Wm. H., Brit. admiral, ✎, & ⚓ surveyor, * 1788 Westminster; vice-adml. 58, adml. 68, † 9/9 65. ✓.

Snail, zool., any individual of molluscous fam. *helicidæ*, class *gasteropoda*, esp. *helix aspersa* (large garden S.) & *H. pomatia* (edible or Roman S.).

Snake, Serpent, zool., order *ophidia* of class *reptilia*, esp. *tropidonotus natrix*, common Eng. S., wh. has no poison fangs, but secretes offensive volatile substance. In *python*, *tortrix*, & other genera, rudimntry. hind-limbs are present. In non-venom. S.s teeth are solid & conical, in continuous rows—2 above, 1 below; venom. S.s have 2 long curved fangs in front of upper jaw, the venom being secreted by gland und. & beneath eye, & flowing into canal in the fang or into groove in front of it.

Snake-bird, *v.* Darter.

Snake-root, *v.* Aristolochia.

Snake-stone, 1] substance used in Ind., &c., as remedies for snake-bites. 2] Any spec. of ammonite.

Snake-weed, *v.* Adder's Wort.

Snakewood, 1] letterwood; wood of *piratinera guianensis*, Brit. Guiana, used in veneering, &c. 2] *Strychnos colubrina*, climbg. Indian plant.

Snapdragon, ✱, *v.* Antirrhinum.

Snapping Turtle, zool., *chelydra serpentina*; U.S.A.; named from habit of biting.

Sneezewood, ✱, wood of *pteroxylon utile*; S. Africa. Wood takes fine polish; sawdust causes sneezing.

Snell, John, fndr. of exhibitions in Balliol Coll. Oxf. for Scotsmen, * 1630, † 80.

Snell van Roijen, 1] R., Dut. math. & philol., * 1547; prof. of math. at Leyden, † 1618. ✓. 2] His son, Willebrod, math., * 1591; suc. his fath. as prof., discovered true law of refraction, also size of earth, † 31/10 1626.

Sniadecki, 1] Jan, Polish ✎, * 1756; preadt. of Wilna Univ., † 1830. 2] His bro., And., ☽, ✝, & ♛ ✓, * 1768; prof. at Wilna, † 1838.

Snider, Jacob, ⊕, * 1820 Philadelphia; to Eng. 59, invented S. rifle, † 25/10 66.

Snider Rifle, breechloadg. rifle invented by Jacob S.; principle applied to Enfield rifle in Brit. ✕ 1867.

Snipe, ornith., pop. name for gen. *gallinago*, esp. *G. cœlestis*, com-

mon S.; Jack S., *G. gallinula*. Great, solitary or woodcock S., *G. major*; red-breasted or brown S., *macrorhamphus griseus*.

Snipe Fish, *v.* Trumpet Fish.

Snoilsky, K. J., Swed. poet. ✓, * 8/9 1841 Stockholm.

Snorri Sturluson, Iceland. ♛ & poet. ✓, * 1178 Hvamm; chief mag. of Iceland, compiled latest "Edda," assassd. at instigation of Hako of Norway 22/9 1241 Reikholt; "last of the Scalds."

Snow, aqueous particles frozen in descent into separate crystals, aftwds. united into groups called S.-flakes. All S.-crystals belong to hexagonal system; *ca.* 1,000 different forms.

Snowball Tree, *v.* Guelder Rose.

Snowberry, ✱, 1] fruit of *symphoricarpus racemosus*, Amer. plant of honeysuckle family. 2] Fruit of *chiococca racemosa*, same family.

Snow-bunting, Snowflake, ornith., *plectrophanes nivalis*, Arctic bird wh. visits Brit. in winter.

Snowdon, 1] ⛰ in Carnarvon, 35 m. long, running N.E. & S.W. 2] Highest ▲ in 1, 3,571 feet.

Snowdrop, ✱, gen. *galanthus*, espec. *G. nivalis*, common S.

Snow-line, L. above wh. snow never melts; on N. Himalayas & W. Andes 18,500 ft.; Mont Blanc 8,500 ft.; at N. Cape 2,300 ft.; in Spitzbergen, sea-level.

Snowy Owl, ornith., *nyctea scandiaca*, N. Eur. & Amer.; visits Orkneys & Shetlands.

Snuff, tobacco-leaves fermented by moisture & warmth, chopped, dried, & ground; inhaled by nose.

Snyders (Sneyders), Frans, ✕, animal & fruit ●, * 11/11 1579 Antwerp, † there 19/8 1657.

Soane, John, ▲, * 1752 Reading; prof. of ▲ to Royal Acad. 1806, kntd. 31, gave art-museum to nation 33, † 37.

Soanen, Jean, Fr. Jansenist ✝, * 6/1 1647; bp. of Senez 95, deprived for opposition to "Unigenitus" Bull 1727, † 25/12 40. ✓.

Soap, potassium & sodium salts of fatty acids derived from animal & veget. oils & fats, & prepared by boiling the neutral fat (*e.g.*, tallow, palm-oil, olive-oil) w. caustic soda or potash. Hard S.s are compds. of fatty acids & soda; soft S., of potash, or potash & soda, w. fatty acids from drying oils (*e.g.*, whale-oil, linseed-oil).

Soapberry, ✱, gen. *sapindus*, of ord. *sapindaceæ* (*q.v.*).

Soapstone, *v.* Talc.

Soapwort, ✱, gen. *saponaria*, esp. *S. officinalis*, common S.: in ℞, demulcent & depurative.

Sobieski, John, k. of Poland, *v.* John **46**.

Sobriquet, Fr. = nickname.

Socage, Soccage, ancient ⚒, tenure by definite service: oppsd. to knight-service, which was precarious & uncertain; & to villenage, which was menial.

Social Contract, bond of union wh. (according to J. J. Rousseau) keeps mankind together; sense of mutual dependence.

Social Science, systematic inquiry into questions of public & domestic health, education, labour, treatmt. of crimnls., pauperism, &c.

Socialism, divd. into (1) Utopian, including St. Simonianism, Owenism, Fourierism, & all schemes for abolishing social inequality; & (2) Scientific, wh. affirms that land, the source of all wealth, should be nationalised, & w. it all existing capital. (2) is either (*a*) *Collectivist*, in wh. all industries would be organised by State; or (*b*) *Anarchist*, wh. would reduce State interference to lowest point compatible w. order. Social Democratic Federation (1st Eng. Socialist Socy.) founded 1880; Socialist League & Fabian Soc. 84. Chief ✓s on S., Owen, St. Simon, Fourier, Louis Blanc, Proudhon, Marx, Lassalle, Hyndman, W. Morris.

Society Islands, group of 13 in S. Pacific, N. of Cook's & E. of Friendly Islands; ▲ous; largest

Tahiti (Otaheite), 32 m. long, 120 m round; under Fr. protect. since 1847; total area 650 s.m., *ca* 20,000 inh. Chf. ⊙, Papiete, ⚓, on Tahiti Discvd. 1606 by Quiros. Named by Cook after Royal Society.

Socinianism, †, form of Unitarianism, named after L & F Socinus (*q.v.*), which denied Christ's pre-existence, but allowed His miraculous conception, & taught that aft His ascension He was virtually deified & might be worshipped

Socinus (Sozzini), 1] Lælius, Ital. heret. †, fndr. (w. 2) of Socinianism, * 1525 Sienna, † 16/5 61 Zurich. ✓. 2] His neph., Faustus, * 5/12 1539 Sienna; to Poland 79, † 3/3 1604 near Cracow. ✓ "De Jesu Christo Servatore" 1594, &c.

Sociology, ♃, science of evolution & constitution of human society.

Sock, light shoe worn by anct comic ⊙s; hence emblem of comedy. *v.* Buskin.

Socotra, isld. in Ind Ocean, nr mouth of Gulf of Aden, 1,000 s m, *ca* 5,000 inh; aloes. Held by Sultan of Keshin under Brit. protection.

Socrates, Grk. ♗, * 469 B.C Athens; s. of ♀ & midwife, fought in ♂ Potidæa 432, ♂ Delium 424, memb. of Senate of 500 406, put to death on charge of impiety 399 Our knowledge of him derived fr Plato's "Dialogues" & Xenophon's "Memorabilia."

Socrates Scholasticus, Byzantine ♃✓, * *ca* 379, † after 440

Socratic Method, ♗, properly, the M. of exact definitn. & inductn. introd. by Socrates; loosely, inquiry carried on by question & answer.

Soda, *v.* Soda Ash, & Caustic.

Soda Ash, commercial form of carbonate of sodium, formerly obtained fr. ashes of sea-shore plants, now from common salt

Soda, Carbonate of, Sodium Carbonate, ♃, $Na_2CO_3 \cdot 10H_2O$, common salt decomposed w. sulphuric acid, the resulting sulphate of sodium being heated w. chalk & sm. coal; the mass is then lixiviated w. water, the solution evaporated to dryness, & the product calcined with sawdust. Bicarbonate of S., $NaHCO_3$, is compound of carbonate of S. with carbonic-acid gas.

Soddoma (G A Bazzi), Ital. ●, * 1477 Vercelli, † 1549.

Sodium, Natrium, ♃, metallic elemt first recognised by Duhamel 1736, first obtained in metall. state by Davy 1807; never uncombined in nature; exists in salt & many other ⊕s, in most organisms, & in large quantities in sun & fixed stars, prepared by distilling carbonate of soda w. charcoal & chalk in iron retorts Symb., Na; atom. weight 23, spec grav. 972, melts at 204°.

Sodium, Chloride of, *v.* Salt.

Sodium, Nitrate of, *v.* Nitre.

Sodium, Sulphate of, *v.* Glauber's Salt

Sodor, old name (Sudoreys) for Hebrides, Southern Islds. of Scot, in distinction from Orkneys (Nordoreys) Still retained in title of "bp of S & Man," tho' islds not now under his jurisdiction.

Soemmering, Sam. T., nat. ♗, anat, & physiol, * 25/1 1755 Thorn, † 2/3 1830 Frankfort-on-Main.

Soetbeer, Ad, econ, * 23/11 1814, prof at Gottingen 72. ✓.

Sœur, Hubert le, Fr ♀, exectd. statue of Chas. I. at Charing Cross, † 1670.

Sofala, Portug. coast distr. of S E Afr, S of mth. of Zambesi.

Sofia, or Triaditza, cap. ⊙ of Bulgaria, on ♗ Isker; 25,000 inh.; Grk. & R. Cath archbpric. Counc. 844. Bulg since 809, Turk. since 1382; occupied by Russ. 8/1 1878.

Sofism, Sufism, †, pantheistic form of Mohammedanism, held in Persia by the Sofis or dervishes.

Softas, Mohamm. †, students of ♃s & † in secondary schools attached to mosques; more gently., all mosque-school students.

, gen. *holcus*, esp. *H. lanatus* & *H. mollis*.

Sohn, 1] Karl F., Germ. ●, * 10/12 1805 Berlin, † 25/11 67 Cologne. 2] His neph., Wilhelm, genre ●, * 1830 Berlin; prof. at Dusseldorf.

Soi-disant, Fr. = saying of himself; self-styled.

Soil, ⚒, top stratum of earth's crust, whence plants derive ⊕ food; classified as loamy, clayey, sandy, chalky, & peaty.

Soirée, Fr., any eveng. assembly.

Soissons, Fr. ⊙ & ⊕ in Aisne dept.; bpric.; 10,500 inh.; ⚔ 486.

Soissons, Charles de Bourbon, comte de, son of Louis I., * 1566; prince of Condé, govr. of Dauphiné & Normandy, † 1612.

Soko, zool., Afr. anthropoid ape described by Livingstone; prob. a species of troglodytes.

Sokoto, kingdom of W. Soudan; 12,000,000 inh. Cap. ⊙, Wurno.

Sol, 1] Lat. = sun. 2] ♅, 5th of syllables used for solfeggio of scale; = note G.

Solan (Solent) **Goose,** *v.* Gannet.

Solanaceæ, ⚘, nightshades; ord. of herbs or shrubs, 60 genera, *ca.* 1,000 specs.; 3 Brit. gen.: *hyoscyamus, solanum, atropa;* largest gen. *solanum*, represented in Britain by Woody & Black Nightshades.

Solander, Daniel Chas., Swed. naturalist, * 28/2 1736; accompd. Capt. Cook round world 68–71, † 16/5 82. ✓.

Solar Microscope, apparatus for throwing magnified image of a microscopic object on a screen by means of sunlight.

Solar Myth, myth., nature-myth; theory connecting origin of myths with solar phenomena: so Max Müller & others explain Aryan mythology.

Solar Spectrum, *v.* Spectrum.

Solar System, ☀, sun & all the bodies wh. revolve around it. *v.* Sun, Nebular Hypothesis, &c.

Solario (or Solari), Antonio ("Lo Zingaro"), Ital. ●, * 1382, † 1455.

Solatium, ⅟₁₀, sum paid over & above actual damages as solace for wounded feelings.

Soldan, corruption of Sultan.

Solder, easily fusible alloy for makg. joints in plumbg., &c. Common S., equal parts of lead & tin; fine S., 2 parts tin to 1 part lead; coarse S., 1 part tin to 2 parts lead. There are also S.s for silver, &c.

Sole, ichth., gen. *solea*, esp. *S. vulgaris; ca.* 40 species.

Solen, zool., typical gen. of *solenidæ*, bivalve molluscs; long narrow shells, animals called razor-fishes; 33 specs.; univ. distributn.

Solenhofen Lithographic Stone, fine-grained stone quarried at S., near Munich, Bavaria.

Solent, W. end of strait betw. Isle of Wight & Hants, 18 m. long.

Soleure (Germ. Solothurn), a N. Swiss canton; 303 s.m., 80,000 inh. Chf. ⊙, S.; 7,000 inh.

Sol-fa, *v.* Solfeggio.

Solfatara, ⚒, any volcanic vent wh. emits only gases; named from a volcan. lake betw. Rome & Tivoli.

Solfeggio, ♅, system in which notes are called *do* (or *ut*), *re, me, fa, sol, la, si;* said to have been invented by Guido d'Arezzo 11th cent. Origin of tonic sol-fa syst., in which letters are used *instead* of notes; invented *ca.* 1844 by Miss Glover, of Norwich.

Solferino, village of Mantua, Ital.; ⚔ 24/6 1859, Austr. und. Hess deftd. by Fr. & Sard. und. Napol. III. & Victor Emmanuel.

Solger, K. W. F., crit. ✓ & translator, * 28/11 1780 Schwedt, † 20/10 1819.

Solicitor, *v.* Attorney.

Solicitor-General, 2nd ⅟₁₀ offr. of Crown, next to Attorney-Genl., or in Scotland to Lord Advocate.

Solid, geom., magnitude possessing length, breadth, & thickness.

Solidus, anct. Rom. coin: gold = *ca.* 9s. Silver S. of Middle Ages = *ca.* 3s. 6d.

Solifidianism, †, doctrine that faith is the whole of religion.

Soliman (Suleiman), Turk. Sultans: 1] I., succ. his father, Bajazet I., 1403; dethroned by his bro. & slain 10. 2] II. ("the Magnificent"), * 1496; succ. his father, Selim I., 1520; took Belgrade 21, Rhodes 22; deftd. Hungarians ⚔ Mohacz 29/8 26, recovered Buda & reduced Moldavia 29; captd. Tauris, Bagdad, Chios; repulsed before Vienna 29, † 5/9 66 Szigeth, Hungary.

Solimena, Francesco, Ital. 🎨, * 1657, † 1747.

Solingen, Pruss. ⊙, 16,000 inh.; steel.

Solis, 1] Antonio de, Span. ♛ & ✍, * 28/10 1610, † 19/4 86. "♛ of Conq. of Mexico," &c. 2] Juan D. de, Span. ⚓; discovd. mouth of ⅄ La Plata, slain by natives on its banks 1515.

Solitaire, 1] ornith., specs. of pigeon allied to dodo, peculiar to island of Rodriguez; became extinct towards end of 18th cent. 2] Game played with marbles on a board with hollows by one person alone. 3] A gem set alone.

Sollogub, Count Vlad. Alex., Russ. ✍, * 1814 St. Petersburg, † 17/6 82 Hamburg.

Solo, 𝄢, Ital. = alone; piece, vocal or instr., for one performer.

Solomon, King, younger son of David & Bathsheba, * *ca.* 1033 B.C.; suc. 993, † 953.

Solomon Islands, group in S. Pacif., E. of New Guinea; *ca.* 15,000 s.m.; 350,000 inh. Occupied by Germany 1886.

Solomon's Seal, ❦, gen. *polygonatum*, allied to valley-lily, esp. *P. multiflorum*.

Solon, Grk. legislator, one of 7 sages of Greece, * *ca.* 638 B.C.; archon 594, repealed most of Draco's laws, rectified calendar, &c., travelled in East, † *ca.* 558 Cyprus.

Solothurn, *v.* Soleure.

Solstice, ☀, point at which sun stands before moving back towards equator. Summer S. of N. hemisphere 21/6, winter 22/12; of South. hemisph., 22/12 & 21/6.

Soltau, ⊙ Hanover; 2,600 inh.; ⚔ 1519.

Solution, 1] ⚗, process by wh. solid or gaseous body is partly or wholly dissolved in liquid, or union of one liq. w. another. 2] Product of 1.

Solway Firth, inlet of Irish Sea, separating Cumberland from Dumfries & Kirkcudbright; 31 m. long, 20 m. broad at mouth.

Somaj, Bengali = a society: Brahmo S., Hindu theistic sect fnded. by Rammohun Roy 1828 for combining Christianity & Brahminism; more progressive membrs. seceded under Keshub Chunder Sen 63.

Somaliland, E. promontory of Afr., under Germ. protection, except Zeila & Berbera, Brit. ⚓ ⊙s on Gulf of Aden; inhs. allied to Egyptians.

Somers, John, Lord, ⚖ & schol., * 4/3 1650 Worcester; assisted in revolution of 88, Solic.-Genl. 89, Att.-Genl. 92, Lord Keeper 93, Ld. Chanc. 97–1700, presdt. of Royal Society, † 26/4 16. ✍.

Somers Islands, *v.* Bermudas.

Somerset, S.W. Eng. co.; 1,645 s.m., 470,000 inh.; rets. 7 M.P.s: N., Wells, Frome, E., S., Bridgewater, & W. (or Wellington) divns. Chf. ⊙, Taunton.

Somerset, Edwd. Seymour, dk. of, *v.* Seymour 3.

Somerville, 1] Mary (*née* Fairfax), scient. ✍, * 26/12 1780 Jedburgh, † 29/11 72 Naples. "Connection of Physical Sciences" 34, &c. 2] Wm., Eng. poet. ✍, * 1692, † 1742. "The Chase," &c. 3] Thos., Presbyterian ✝ & ♛ ✍, * 1741, † 1830. "♛ of Gt. Britain in Reign of Qn. Anne" 1798, &c.

Sommariva, Giov. B., Ital. statesm., * 1760; Sec. of Cisalpine Repub. 97–8, † 6/1 1826.

Somme, a N. Fr. depmt., S.E. of Strait of Dover; 2,379 s.m., 550,000 inh.; ⅄ S. Chf. ⊙, Amiens.

Sömmering, *v.* Soemmering.

Somnambulism, derangement of nervous syst. in wh. pt. of brain remains active & controls limbs during sleep; gen. indicates tendcy. to catalepsy, ecstasy, & insanity.

Somnambulus, pseud. under which Sir W. Scott wrote "The Visionary," polit. satires.

Somnath, ⊙ of Kathiawar peninsula, Bombay; *ca.* 5,000 inh.; ruins of temple of Siva.

Somner, Wm., Ψ, * 5/11 1598 Canterbury, † 30/3 1669. ✓ "Saxon Dictionary," &c.

Sonata, ♅ compositn. for a solo instrument, generally pianoforte; usually consists of 3 movements: (1) allegro, sometimes with introduction, (2) slow (from adagio to andante), (3) allegro.

Sonderland, 1] Joh. B., genre ☻, * 2/2 1805 Dusseldorf, † there 21/7 78. 2] His s., Fritz, genre ☻, * 20/9 1836 Dusseldorf.

Song of the Three Holy Children, †, 1 of 3 pieces formerly incorporated w. Book of Daniel, now genrlly. placed in Apocrypha between Baruch & ♕ of Susanna.

Sonnerat, Fr. traveller & naturalist, * 1749, † 31/3 1814. ✓.

Sonnet, form of verse of Italian orig., wh. must consist of 14 lines; divid. into 2 pts.—first of 8, second of 6, lines; of which 1, 4, 5, 8; 2, 3, 6, 7, rhyme; remaining 6 having two or three rhymes between them & not ending with a couplet.

Sonnini de Manoncourt, C. N. S., Fr. traveller & naturalist, * 1/2 1751, † 9/5 1812. ✓.

Sonnites, *v.* Sunnites.

Sonometer, ♅, 1] instrument invented by Marloye to determine numb. of vibratns. of any ♅ string. 2] ♯, instrumt. for testing hearing capacity.

Sonora, Mex. State on Pacif. O.; ⊕; 120,000 inh. Cap. ⊙, Ures.

Sontag, 1] Henriette, Germ. ♀ singer, * 13/1 1805 Coblentz; to London 28, m. Cnt. Rossi 27 & retired, returned to stage 49, † 17/6 54 Mexico. 2] Her bro., Karl, ♂, * 20/2 1828 Dresden.

Soochow, ⊙ of Kiang-su, China, *ca.* 60m. N.E. of Shanghai; *ca.* 500,000 inh.; silk manufacture.

Soodra, 4th caste in ancient Hind. syst., comprising labouring classes; now split into many distinct castes.

Soot, mixt. of carbon & hydrogen, &c. S. fr. coal contains ammonium compounds, wh. make it good manure.

Soph, contraction of *Sophister*, appld. to student in 2nd & 3rd yrs. residence at Camb. Univ., to one in 3rd & 4th years at Dublin. *v.* also Sophomore.

Sophia, 1] mother of Geo. I. of Eng. & dau. of the Elect. Palatine, * 1630; m. Ernest Aug., Elect. of Hanover, † 1714. 2] Archduch. of Austr., dau. of Max. I. of Bavar., * 27/1 1805; m. 1824 to Archd. Karl, moth. of Emp. Franz Josef, † 28/5 72.

Sophia Alexievna, Russ. princess, * 1656; regent durg. minority of her half-bros., Peter the Gt. & Ivan, † in prison 1704.

Sophia Charlotte, 1st Qu. of Pruss., * 1668; marr. 84 to Fredk. I., † 1705.

Sophia Dorothea, 1] Q. of Gt. Brit., * 15/9 1666; dau. of Geo. Wm., Duke of Celle; m. Geo. of Hanover (aftwds. Geo. I. of Eng.) 82, imprisd. 94 at Ahlden for intrigue with Cnt. Konigsmark, † in prison 13/11 1726. 2] Her dau., Q. of Pruss., * 16/3 1687; m. Fredk. II. of Pruss. 1706, † 28/6 1757.

Sophister, *v.* Soph.

Sophocles, Grk. ♀ ✓, * 495 B.C. Colonus, near Athens; defeated Æschylus in competitn. 468, † 406. ✓ of 130 plays, 7 extant: *Antigone, Electra, Trachiniæ, Œdipus, Ajax, Philoctetes, Œdipus at Colonus.*

Sophomore, in Amer. univs. a student who has just ceased to be a freshman.

Soprano, ♅, highest kind of female voice. Usual S. range is fr. c below clef to G or A above.

Sorata, ▲ of Cordilleras, Bolivia, 25,250 ft.

Sorbière, Saml., Fr. ✍ & /, * 17/9 1615, † 9/4 70.

Sorbon, Robt. de, Fr. †, * 9/10 1201 Sorbon; fnded. Coll. of Sorbonne 52, † 15/8 74.

Sorbonne, College of, † school, Paris. *v.* Sorbon.

Sorby, H. C., nat. ⚗, * 10/5 1826 Woodborne.

Sordello, Ital. troubadour, * 1189; fled to court of Chas. of Anjou *ca.* 1245, † *ca.* 80; subj. of poem by R. Browning.

Sorecidæ, zool., shrews; fam. of *insectivora* comprising more than half the species of the order.

Sorel, Agnes, *v.* Agnes 6.

Soria, Span. prov.; 3,835 s.m., 160,000 inh. Chf. ⊙, S.; 4,000 inh.

Sorites, logic, series of syllogisms in wh. conclusion of all but the last is omitted.

Sorrel, ☘, var. plants of genus *rumex*, esp. *R. acetosa*, common S. Wood S., *oxalis acetosella.*

Sortain, Jos., Congreg. †, * 22/7 1809; at Brighton 32, † 16/7 60. /.

Sortes, Lat. = lots; espec. divination by chance selection of passage in book.

Sosen, Jap. ☯, * 1747, † 1821.

Sosigenes, Grk. ✕ & ⚗ at Alexandria 1st cent. B.C.; employed by Julius Cæsar to reform calendar.

Sostenuto, ♮, Ital., direction to sustain notes to their full length.

Sotadics, same as Palindrome.

Sôten, Jap. ironworkr., 17th cent.

Sotheby, Wm., Eng. poet. /, * 1757, † 30/12 1833.

Sothern, Edw. A., ☉, * 1/4 1830 Liverpool; created *rôles* of "Lord Dundreary" & "David Garrick," † 20/1 81 U.S.A.

Sothic Period, 1,460 Julian years, durg. wh. a whole yr. is lost when the year is reckoned at 365 days, as in Egyptn. & Peran. chronology. The reclaimed year, made up of the excess, is called a S. yr., fr. Sothis (Dog-star), at whose rising it was supposed to begin.

Sotnia, squadron of a Cossack regiment = 120 to 130 sabres.

Soto, Domingo, Span. Dominican †, * 1494, † 17/12 1560. /.

Sotto voce, Ital. = in an undertone.

Sou, old Fr. copper coin = $\frac{1}{20}$ livre. In pop. lang., the 5-centime piece.

Soubise, 1] Benj. de Rohan, seigneur de, Huguenot captain, * 1583; fled to Eng. 1628, † there 9/10 41. 2] Chas. de Rohan, prince de, Fr. marsh., * 16/7 1715; marsh. 58, Minister of State 59, † 4/7 87.

Soudan, distr. of Afr., bounded by Sahara on N., by Senegambia & Guinea Coast countries on W., by Abyssin. highlands on E., by Congo region on S.; nats. the true negroes. District of Senaar, E. limit, was und. Egyptian rule till Mahdi's rebellion 1882.

Soufflot, Jacq. G., Fr. ▲, * 22/7 1713; designed Panthéon, Paris, † 29/7 80.

Soulavie, Jean L. G., Fr. ♛ / & †, * 1752, † 1813.

Soulié, Melchior F., Fr. nov. & ☉ /, * 23/12 1800 Foix, † 23/9 47 Bièvre.

Soulouque, Faustin, negro Emp. of Hayti, * 1790; President of Hayti Repub. 1847, Emp. 49, deposed 59, † 19/10 67.

Soult, Nic. J. de D., dk. of Dalmatia, Fr. marsh., * 29/3 1769 St. Amans la Bastide; marsh. 1804, dk. 07, forced evacuation of Spain 08, conquered Portugal, joined Louis XVIII. 14, deserted to Napol. aft. escape fr. Elba, War Min. to L. Philippe 30, Presdt. of Council 32–4, 39–40, amb. to Eng. 38, peer of Fr. 47, † 26/12 57.

Soumet, Alex., Fr. ☉ & poet. /, * 1788, † 1845. *Clytemnéstre,* &c.

Sound, the sensation produced by vibrations occurring at a certn. rate. *v.* Acoustics.

Sound, ⊙, a strait; espec. the channel betwn. island of Zealand & Swed. coast, 40 m. long.

Soutane, ordinary outer garmt. of a Rom. Cath. ecclesiastic.

South, 1] Robt., †, * 1633 Hackney; publ. orator at Oxfd. 60, preb. of Westminstr. 63, canon of Christ Ch. 70, † 8/7 1716. ✓ "Sermons." **2]** Jas., ✱ & ✱, * 1798; Copley medallist of Roy. Soc. 1826, presdt. of ✱ Soc. 29, knighted 30, † 19/10 67. ✓.

South Australia, central sectn. of A., from N. to S.; 903,690 s.m., 315,000 inh. (exclus. of natives); 2¾ million acres und. cultivatn. Products: wheat, wool, fruit, wines, copper, iron. Rlys. 1,430 m., telegs. 5,500 m. Rev. £1,900,000, expend. £2,150,000, debt £19,000,000. Imports £4,600,000, expts. £5,000,000. ♛: explord. by Sturt 1829, colonised 1836, constitutn. re-modelled 56, bordrs. extend. to N. coast 63. Parlt.: Legisl. Council & Ho. of Assembly, w. equal powers; latter based on manhood suffrage. Govt. by Crown Govr., Parlmt., & Exec. Council of 6, who must be M.P.s. Educatn. compulsory & secular.

South Carolina, State of U.S.A., on Atlantic, N. of Georgia; 30,570 s.m., 1,050,000 inh. Cap. ⊙, Columbus. ♛: one of 13 original States, seceded 1861, readmitted 68.

South Sea Bubble, stock-jobbing scheme devised by Sir John Blunt 1710 for redeeming National Debt in consideration of 5 %, & in return for monopoly of S. S. trade. Directors' estates, worth £2,014,000, confiscd. for benefit of victims 1721.

Southampton, ⚓ ⊙ (& co. in itself) in Hampshire, 4 m. fr. head of S. Water; 100,000 inh. (including suburbs); docks; rets. 2 M.P.s.

Southcott, Joanna, † fanatic, * 1750 Devon; claimed prophetic inspiratn. 92, announced herself as future mother of Messiah 1812, obtained many thousands of followrs., † 27/12 1814 London. ✓.

Southern, Thos., Irish ✆ ✓, * 1660 Dublin, † 26/5 1746. *Fatal Marriage* 1694, &c.

Southern Cross, Crux Australis, ✱, constellation close to S. celestial pole; 4 principal stars in form of cross—1 of 1st, 2 of 2nd, magnitude.

Southernwood, ✱, *artemisia abrotanum;* used on Continent for making kind of beer.

Southesk, Earl of, poet. & misc. ✓, * 1827. "Meda Maiden & Other Poems" 77, &c.

Southey, 1] Robt., poet. & misc. ✓, * 12/8 1774 Bristol; poet-laur. 1813, pension of £300 35, m. (2ndly) Caroline Bowles 39, † 21/3 43 Greta. "Thalaba" 01, "Kehama" 10, "Life of Nelson" 13, "Roderick" & "Odes" 14, "Life of Wesley" 20, "Vision of Judgment" 21, "♛ of Penins. War" 23, "Book of the Church" & "Colloquies on Society" 24, "Lives of Cromwell & Bunyan" 44, &c. **2]** His wife, Caroline Anne (*née* Bowles), poet. & rom. ✓, * 6/12 1787, † 20/7 1854. "Solitary Hours" 26, "Chapters on Churchyards" 29, &c.

Southport, ⚓ ⊙ & watering-place in Lancs., near mouth of ⚓ Ribble; 35,000 inh.; division rets. 1 M.P.

Southwark, a metropol. boro., co. of Surrey; 230,000 inh.; rets. 3 M.P.s: W., Rotherhithe, & Bermondsey divisions.

Southwell, Robt., Eng. Jesuit & poet. ✓, * 1560, exec. on charge of treason 21/2 95.

Southwold Bay, or Solebay, on coast of Suffolk. ⚓ ✱ 27/5 1672, Duke of York defeated De Reuter.

Souvestre, Emile, Fr. nov., ✆, & journ. ✓, * 15/4 1806 Morlaix, † 6/7 54 Paris.

Sovereign, stand. of Eng. coinage, weighing 123·274 grns. Troy: 40 lbs. Troy of standard gold are coined into 1,869 S.s.

Sowbread, ✱, gen. *cyclamen,* esp. *C. europæum,* eaten by wild boars in Sicily.

Sowerby, 1] Jas., ✱ & artist, * 1767 Lambeth, † 25/10 1822. **2]** His s., Geo. B., conchol. & ⊕, * 1788, † 26/7 1854. ✓. **3]** Jas. de Carle, conchol. & ⊕, * 5/6 1787, † 26/8 1871. ✓.

Sowthistle, ✿, herb gen. *sonchus;* 8 Brit. specs, including *S. oleraceus* (com. S.) & *S. arvensis* (corn S.). Blue S., gen *mulgedium.*

Sozomen, Greek eccles. ♛ ✓, 5th cent., * Palestine.

Spa, ⊙ of Ardennes valley, Belg.; 6,000 inh.; ⊕ springs. Hence any watering-place or ⊕ spring.

Spade Guinea, G. w. S.-shaped shield bearing the arms on reverse; last coined 1813.

Spadix, *v* Spathe.

Spaendock, Gerard van, Dutch flower ⊕ in Paris, * 28/3 1746, † 11/5 1822.

Spagnoletto, *v.* Ribera, J

Spain, kingdom of S.W. Eur, betwn. 36°–43° 45′ N lat. & 43° 25′ E.–9° 20′ W. long., bound. on S & E. by Medit., W. by Atlantic & Portug., N. by B. of Biscay & Fr.; 196,173 ▫ m, 17,270,000 inh.; 1,317 m. of coast-line. ⛰s: Pyrenees, Cantabrians, Guadarrama, Morena, Nevada, Toledo. ⛲s: Douro, Tagus, *Guadiana,* Guadalquivir, Ebro, Minho. *Products:* wheat, barley, maize, oats, rice, hemp, flax; Malaga, Alicante, & other wines; iron, copper, lead. Exports to U. K. £9,120,000, imports from U. K. £3,825,000. Reven & expenditure *ca.* £35,250,000, debt £259,900,000. Rlys. 9,200 m., telegs. 11,300 m. Peace army 115,000, war ditto 796,000, w. 528 guns; compulsory service; colonial forces, including militia, 236,000. Navy, 120 steamers (6 ironclads), *ca.* 22,000 men. Divd. into 48 provs., cap. ⊙, Madrid. *Univs.:* Madrid, Barcelona, Granada, Salamanca, Seville, Valencia, Saragossa, Santiago, Valladolid, Oviedo Relig., R Cath; Prots. only allowed private worship. *Colonies:* Cuba & Porto Rico, Fernando Po & Annobon, w. coast round Corisco Bay; Philippine, Mariana, Pelew, & Carolina Islands, some places in Morocco; total 167,230 s.m., 8,010,000 inh.: protect. over Sahara desert declard. 1884. ♛: colonised by Phoenicians & Carthaginians; conqrd. by Roms. & divd. into 3 provinces (Taraconensis, Bœtica, Lusitania); overrun 5th cent. by Visigoths, who were driven out by Arabs (Moors) 711; kingdom of Portugal fnded. 1095; wars w Moors till Ferdinand & Isabella conqd. Granada 1492; Columbus discvd. New World same year & large possessns. were acqrd.; Peninsular War 1801–13; since then many civil wars & revoluts.; present constitn. estabd. 1876, limited & hered. monarchy, 2 Chambers (together called the Cortes), Senate & Congress (latter wholly, former partly, elective); king, Alphonso XIII., * 17/5 1886; regent, Queen Maria Christina, his mother, widow of Alphonso XII.

Spalatin (Burkhardt), Georg, Germ. Reform. †, * 1784 Spalt; supporter of Luther & adviser of Fredk., Elector of Saxony, † 16/1 1545.

Spalding, Wm., Scot. logician & misc. ✓, * 1809 Aberdeen; prof. at St. Andrew's 45, † 16/11 59.

Spallanzani, Lazzaro, Ital. naturalist, * 12/1 1729 near Modena; prof there 60, at Pavia 70, † 12/2 99. ✓.

Spamer, Otto (pseud. Franz Otto), publr. & ✓, * 29/8 1820 Darmstadt.

Spandau, Prussian ⛪ ⊙, Brandenburg prov.; 80,000 inh.; once residence of Electors of B.

Spangenberg, Gust A., Germ. ♛ ⊕, * 1/2 1828 Hamburg; prof. at Berlin

Spanheim, 1] Ezechiel, baron, Swiss diplom. & numis., * 7/12 1629; envoy from Brandenburg to Eng. 1702, † 7/11 10 London. ✓. 2] His father, Fried, †, * 1/1 1600; prof. at Leyden 42, † 30/4 49. 3] Fried, son of 2, †, & scient. ✓, * 1/5 1632, † 18/5 1701.

Spaniel, zool., dog with large drooping ears, long silky coat, gentle disposition. Divided into Land, Water, & Toy S s.

Spanish Armada, *v.* Armada.

Spanish Chestnut, ✿, *castanea vesca* (or *vulgaris*); edible.

Spanish Fly, *v.* Cantharides.

Spanish Language, branch of Romance. Lit. may be divd. into (1) 12th–14th centuries, romantic: legends of the Cid, &c.; (2) 15th cent., influence of Troubadours & class. studies; rise of ✆ ⁄; (3) springtime of Span. ⁄: Montemayor, Herrera, Rufo, Zapata, Mendoza; (4) 17th cent., Golden Age: Lope de Vega, Cervantes, Calderon, Rioja, Quevedo, L. de Gongora, &c.; (5) Declension, influence of Fr. style: Zorilla, Herreros, Caballero, de Isla, &c.

Spanish Main, ⊖, name formerly given to S. portion of Caribbean Sea & contiguous coast; route traversed by S. treasure-ships.

Spanish Oak, ✱, *quercus falcata,* brought from N. Amer. 1763.

Spanish Succession, War of, 15/5 1702–31/3 13, arose out of claims of Philip dk. of Anjou (grandson of Louis XIV. of Fr.) & of Chas. (2nd s. of Leopold, Emp. of Germ.) to Spanish throne: former, whose claim was ultimately admitted, being supported by Fr., Spain, & Bavaria; latter by Eng., Holland, Austria, Germ., Portugal, & Savoy, who won ⚔s of Blenheim, Ramillies, Oudenarde, & Malplaquet, & captd. Gibraltar, but lost ⚔s of Denain, Almanza, & Villa Viciosa. Ended by Treaty of Utrecht.

Spanish Town, anctly. Santiago de la Vega, cap. ⊙ Jamaica; 8,000 inh.

Spar, ⊕, pop. term for many ⊕s which occur in crystals.

Sparidæ, ichth., sea-breams; fam. of spiny-rayed fishes, temp. & tropical regions.

Sparkes, Thos., Puritan †, * 1548, † 1616. ⁄.

Sparks, Jared, Amer. biog. & misc. ⁄, * 10/5 1789; prof. of ♛ Harvard 1839, presdt. 49, † 15/3 66. "Life of Washington" 34–7, &c.

Sparrmann, Andrew, Swedish naturalist & travlr. in Afr., * 1747; accompd. Capt. Cook round world in *Resolution,* † 20/7 1820. ⁄.

Sparrow, ornith., gen. *passer,* espec. *P. domesticus,* house S.

Sparrow, Anthony, †, * 1620; bp. of Exeter 67, of Norwich 76, † 19/5 85. ⁄.

Sparrow-hawk, ornith., gen. *accipiter;* 23 specs.; esp. *A. nisus.*

Sparta, Lacedæmon, anct. ⊙, Grk. ⊙, cap. of Laconia; annexed to Roman Emp. 146 B.C.

Spartacus, Thracian ⚔, * *ca.* 113 B.C.; leader in 2nd Servile War 73–1, † ⚔ of Silarus 71.

Spasm, ✱, involuntary muscl. contractn.; called tonic when continuous, clonic when contractions & relaxations rapidly alternate.

Spasmodic School, ⁄, certain writers of this cent. (*e.g.,* Carlyle, Dobell, & Alex. Smith) who strained after effect. Name applied by Aytoun, in "Firmilian," 1854.

Spathe, ✱, sheathing leaf or bract, inclosing spadix or flower-cluster.

Spaventa, Bert., Ital. ⁄, * 1817; professor at Naples. ⁄.

S.P.C.K.=Society for Promoting Christian Knowledge, founded 1698 in connection with Ch. of Eng. for educational purposes.

Spearmint, ✱, var. of mint, *mentha viridis.*

Special Licence, ⚖, L. to marry without banns, at any time & place; granted only by Archbp. of Canterbury—as a right to peers, barts., M.P.'s, &c.; as favour to others.

Special Pleading, ⚖, allegatn. of new matter instead of direct denial of what has been urged on other side.

Species, biol., ambig. term denoting limited group of organisms resembling each other & capable of reproducing similar organisms. *v.* Genus.

Specific Gravity, physics, ratio of weight of given bulk of a substnce. to weight of same bulk of some other subst. taken as the standard. Standard for gases is hydrogen gas, lightest known substance; for liquids & solids, water.

Speckbacher, Jos., Tyrol. leader, * 13/7 1767; friend of A. Hofer, † 1820.

Speckter, Erwin, Germ. fresco ☻ & art ✓, * 1806, † 23/11 85.

Spectator, series of essays by Addison, Steele, & others, publd. daily 1/3 1711–6/12 1712, 555 Nos., resumed in 1714, when 80 Nos. were added. Of the 635, Addison contributed 274 & Steele 240.

Spectroscope, *v.* Spectrum.

Spectrum, optics, colord. image produced when light-rays are decomposed by being refracted thro' a prism. Whiteness *is* a totality of effect produced by many colours falling at once upon retina. A light-ray is deflected on meeting surface of a denser medium; by using a prism w. 2 inclined surfaces it may be permanently deflected. Each colour, representing a different length of wave, is differently refracted by the prism, wh. spreads out in the order of their refrangibility all the colours composing it. This is the S. of that particular light. S. analysis is determination of ⚗ composition & physical condition of a body by the S. of the light which it emits or which passes through it; for this the Spectroscope is used, wh., containg. more prisms than one, separates the colours more than a single prism. Thus are determined composition & condition of sun & stars.

Speculum Metal, alloy of 1 part tin w. 2 parts copper; used for specula (reflecting surfaces) of telescopes, &c.

Spedding, Jas., ♛ & misc. ✓, * 1810, † 9/8 81. "Life of Bacon" 76, &c.

Spee, Fried., Germ. † song ✓, * 1591 Kaiserswerth, † 7/8 1635.

Speed, John, Eng. ♆ & ♛, * 1555, † 28/7 1629. ✓ "♛ of Great Britain," &c.

Speedwell, ❀, genus *veronica*, esp. *V. chamædrys*, Germander S., & *V. officinalis*, common S.; *ca.* 150 species.

Speiss, brittle reddish alloy composed of arsenic & sulphur, w. nickel, iron, & copper; chf. source of metallic nickel.

Speke, John H., Afr. explorer, * 1823 near Ilchester; discovered Lake Tanganyika (with Burton) 58, Victoria Nyanza 58, &c., w. Grant 60 to source of White Nile, gold medal of Roy. ⊕ Soc. 61, † 15/9 64 near Bath.

Spelman, Hy., ♆, * 1562 Lynn; endowed Ang.-Sax. lecture at Cambridge, kntd. by Jas. I., † 24/10 1641.

Spelter, *v.* Zinc.

Spence, 1] Joseph, † & misc. ✓, * 1698 Winnal, nr. Winchester; prof. of mod. ♛ Oxford 1742, preb. of Durham 54, † 20/8 68. "Anecdotes," &c. 2] Wm., entomol., * 1783, † 6/1 1860. ✓ (with Kirby) of "Introd. to Entom.," &c. 3] Hy D. M., †, * 1836 London; principl. of Glos'ter † Coll. 75, dean of Glo'ster 86. ✓.

Spencer, an outer coat without skirts.

Spencer, 1] *v.* Sunderland. 2] John Chas., 3rd E. of (Visct. Althorp), Whig statesm., * 30/5 1782; Chanc. of Exchq. 1830–4, succ. to title 34, 1st presdt of Roy. ✓ Soc., † 1/10 45. 3] John Poyntz S., 5th earl, statesm., * 27/10 1835; M.P. 57, succ. to title 57, Irish Ld.-Lieut. 68–74, 82–5, Ld. Presdt. of Council 80–3, 86.

Spencer, 1] Herbert, ♃, * 1820 Derby; ⊕; sub-ed. of *Economist* 48–53. ✓ "Social Statics" 51, "Principles of Psychol." 55, "Education" 61, "First Principles" 62, "Classification of Sciences" & "Principles of Biol." 64, "Spontaneous Generation" 70, "Sociology" 72, "Coming Slavery" 84, "Man *v.* the State" 85, &c. 2] John, † & Hebraist, * 30/10 1630; master of Corpus Christi, Camb., & dean of Ely, † 27/5 95. ✓ "De Legibus Hebræorum," &c. 3] Hon. Wm. R., poet. ✓, * 1770, † 1834.

Spener, Phil Jakob, †, finder. of Pietists, * 13/1 1635, † 5/11 1705.

Spenser, Edmund, poet, * 1553 London, † 16/1 99 Westminster. ✓ "Shepherd's Calendar" 79, "Faerie Queene" 90, "Complaintes," "Prosopopœia, or Mother Hubbard's Tale," "Tears of Muses" & "Daphnaida" 91, "Colin Clout's Come Home Againe" & "Amoretti" 95, "Four Hymns" & "Prothalamion" 96, "Britain's Ida" pubd. 1628, &c.

Speranski, Mikhail, count, Russ. statesm. & ✍, * 1/1 1772; govr. of Siberia 1819–21, † 11/2 39. "Code of Russian Laws."

Spermaceti Whale, *v.* Cachalot.

Spermatozoa, biol., the active constituents of seminal fluid, discovd. by Hamm 1677; consist of head, rod-shaped middle piece, long hair-like tail, by which they move; function, to fertilize ovum of females.

Speusippus, Athen. ⚓, neph. of Plato, whom he succ. as head of the Academy, † 339 B.C.

Spezzia, 1] Ital. ⚓ ✠, N.W. extremity of Gulf of S.; 25,000 inh. 2] Greek isle at mouth of Gulf of Nauplia.

S.P.G. = Soc. for Propagation of Gospel in Foreign Parts; oldest Ch. of Eng. Missnry. Soc., incorpd. 1701.

Sphagnum, ✿, only genus of *spagnei,* moss-like plants growing in bogs.

Sphegidæ, Sphecidæ, entom., sandwasps; fam. of *hymenoptera.*

Sphere, Globe, geom., solid body every point of whose surface is equi-distant fr. its centre. Body which is nearly but not quite spherical is a *spheroid.*

Spherical Aberration, *v.* Aberration.

Spheroid, *v.* Sphere.

Sphincter, anat., more or less circular muscle wh. contracts or closes an orifice.

Sphingidæ, entom., typic. fam. of *sphingina,* hawk-moths.

Sphinx, 1] class. myth., monster (half-woman, half-lion) wh. infested Thebes & devoured its inhs. till Œdipus solved its riddle, when it perished. 2] Egypt. & Grk. Ψs, figure with lion's body with human head, or head of ram or hawk. Grk. S. probably borrowed from Egypt.

Sphygmograph, ✠, instrumnt. invntd. by Ludwig 1847 for recording character of pulse-beats in affections of heart, &c.

Sphygmoscope, ✠, instrument for rendering pulse-beats visible.

Sphyræniddæ, ichth., family of large marine *mugiliformes;* tropics & sub-tropics.

Spiccato, *v.* Staccato.

Spice, genl. name for aromatic & pungent vegetable substances.

Spice Islands, *v.* Moluccas.

Spider, zool., pop. name for any individual of Huxley's *araneina;* specs. numerous, univ. distributn. Formerly classed as insects, fr. wh. they are distinguished by head & chest being 1 piece, & by having 8 instead of 6 legs, &c.

Spider Monkey, *v.* Ateles.

Spiegel, Fried., Germ. orient. ✓, * 11/7 1820 Kitzingen.

Spieghel, Adriaen van der, Belg. anat., * 1578 Brussels; prof. at Padua, † 7/4 1625. ✓.

Spielhagen, Fried., Germ. nov. ✓, * 24/2 1829 Magdeburg. "Problematical Natures" 61, &c.

Spielmann, Jakob Reinold, ☤ & ✠, * 31/3 1722 Strasburg; prof. there, † 9/9 83. ✓.

Spigelia, ✿, gen. of order *loganaceæ,* including *S. marilandica* (Carolina pink) & *S. anthelmintica* (Guiana pink) roots; both used in ✠ as vermifuges.

Spike, ✿, inflorescence in wh. stalkless flowers are arranged on a common axis.

Spikenard, 1] ✿, aromat. subst. from *nardostachys jatamansi;* Himalaya ▲s & Sikkim; root aromatic. 2] *Valeriana celtica.*

Spinach, ✿, gen. *spinacia,* esp. *S. oleracea,* garden S.

Spinal Column, anat., backbone; vertebræ.

Spinal Cord, *v.* Nervous System.

Spinckes (Spinkes), Nathan., †, * 1654; preb. of Salisbury, deprived 1690 for refusing oath of alleg., consec. nonjurg. bp. 1713, † 26/7 27.

Spindle Shell, zool., gen. *fusus* of molluscs; *ca.* 100 specs.; esp. *F. antiquus,* Red Whelk or "Roaring Buckie."

Spindle Tree, ✿, gen. *euonymus,* esp. *E. europæus,* wh. yields a hard-grained wood used for S.s, &c.

Spindler, Karl, Germ. nov. ✓, * 16/10 1796 Breslau, † 12/7 1855 Baden-Baden.

Spinel, or Ceylonite, ◍, compnd. of alumina & magnesia; found crystallised in octahedrons or rhombic dodecahedrons.

Spinello, Aretino, Ital. ♛ & portrait ◍, * 1328, † 1420.

Spinet, 𝄞, anct. keyed instrument similar to, but smaller than, harpsichord; origin of piano.

Spinning Jenny, *v.* Jenny.

Spinola, Ambrogio, marq., Span. genl., * 1569 Genoa; took Ostend 22/9 1604, comd. in Low Countries against Maurice, † 25/9 30.

Spinoza, Baruch, Dutch pantheist. ♗, s. of Portug. Jew, * 24/11 1632 Amsterdam; excomd. by rabbins as heretic, invited to Hague by Jan de Witt 70, † there 21/2 77; statue there 1880. ✓ "Principles of Cartesian ♗" (agst. Des Cartes) 63, &c.

Spiræa, ✿, genus of herbs or shrubs; 50 species, 2 Brit.: *S. ulmaria,* meadow-sweet; & *S. filipendula,* dropwort.

Spires (Germ. Speyer), chief ⊙ of Bavar. Palatinate, at confluence of ⚓s Speyerbach & Rhine; 15,000 inh.; cathed. 1030–61, restored 1772 & 1856. Diet of S. 1529.

Spirit, more or less pure alcohol, obtained by fermentation and distillation from substances or liquids containing sugar.

Spiritoso, 𝄞, Ital. = spiritedly.

Spiritualism, 1] alleged communication w. unseen world thro' "mediums," orig. by the sisters Fox in N. York 1849: introduced to London *ca.* 52. 2] ♗, any syst. wh. teaches that mind is distinct from matter, or wh. denies existence of matter; opposed to Materialism.

Spirometer, ◎, instrument for measuring chest-capacity.

Spithead, E. part of strait between Hants & Isle of Wight (*v.* Solent), 14 m. long; defnd. by ✱s; named from Spit, a sandbank off Portsmouth.

Spitta, 1] Karl J. Ph., Germ. song-✓, * 1/8 1801 Hanover, † 28/9 59 Burgdorf. 2] His s., Philipp, 𝄞 ♛ ✓, * 27/12 1841; prof. at Berlin 75.

Spittler, L. T. Baron v., ♛ ✓, * 10/11 1752 Stuttgart, † 14/3 1810.

Spitzbergen, uninhab. grp. of ▲ous islds. in Arctic Ocean, equidist. between Greenland & Nova Zembla; 3 *ca.* 30,000 s.m.; Russian; discovered by Rijp 1596.

Splay, ◭, inward or outward expansion of window, &c.

Spleen, 1] anat., soft vascular gland on left side of stomach; function unknown. 2] Irritability.

Spleenwort, ✿, gen. *asplenium* of ferns, espec. *A. ceterach.*

Splügen, Spluga, Alp. ▲, Grisons canton, Switzerland, 9,600 ft. (summit called Tombenhorn). S. Pass constructed 1818–21; highest point 7,000 feet.

Spohn, Fried. A. W., Germ. ♗ & philol., * 16/5 1792; professor at Leipzig, † 17/1 1824.

Spohr, Ludwig, Germ. 𝄞, violinist & composer, * 5/4 1784 Seesen, Brunswick; directr. Vienna Theatre 1813, to London 20, kapellmeister at Hesse-Cassel 23–57, † 22/10 59 Cassel. Composed *Last Judgment* 26, *Calvary* 35, *Fall of Babylon* 40, *Faust,* &c. ✓ Autobiography, publshd. 60.

Spon, Jacob, Fr. ✝ & traveller, * 1667, † 25/12 85. ✓.

Spondee, poetic foot of 2 long syllables (– –).

Sponge, 1] zool., gen. *spongia,*

esp. *euspongia officinalis*, Turkey or Levant S.; *E. zimocca*, hard zimocca S.; & *hippospongia equina*, horse or common bath S. 2] Fibrous framewk. of any spec. of 1.

Spontaneous Combustion, *v.* Combustion.

Spontaneous Generation, ∴, theory that life has its origin in dead matter; now generally discarded.

Spontini, Gasp. L. P., Ital. ♫, * 17/11 1778 Jesi, † there 24/1 1851. Composer of operas, &c.

Spoonbill, ornith., gen *platalea*, esp. *P. leucorodia*; 6 species.

Sporades, *v.* Archipelago.

Sporadic, ✱, occurg. occasionally; opposed to epidemic.

Spore, ✱, reproductive body of flowerless plants; correspondg. to seed in flowering plants.

Sporran, pouch worn in front of kilt by Highlanders.

Spotswood (Spottiswood), 1] John, Scot. † & statesm., * 1565; bp. of Glasgow 1603, archbp. 15, Ld. Chanc. of Scot. 34, † 26/11 39. /. 2] His s., Robt., ♗, * 1596; Ld. of Session, behead. by Covenanters 1646.

Spottiswoode, 1] Wm., orientalist, math. & physicist, * 11/1 1825 London; presdt. of Math. Soc. 71, of Brit. Assoc. 78, of Royal Soc. 79, † 27/6 83. /. 2] John & Robt., *v.* Spotswood.

Spragge, Sir Edwd., Eng. admiral, * *ca.* 1632; kt. 24/6 65, rear-admiral 66, slain in ✕ off Holland 11/8 1673.

Sprain, ✱, straining or twistg. soft parts around a joint.

Spranger, Bartel, Dutch ◉, * 1546, † 1623.

Sprat, ichth., *clupea sprattus*.

Sprat, Thos., †, poet. & ♛ /. * 1636; dn. of Westminster 83, bp. of Rochester 84, † 30/5 1713. "Life of Cowley," &c.

Sprengel, Karl Polycarp, Germ. ✱ & ✱, * 3/8 1766; prof. at Halle, † 15/3 1833. /.

Spring, 1st season of year, strictly fr. *ca.* 21/3 (when sun enters vernal equinox) to 22/6 (time of summer solstice); popularly from March to May.

Spring Tides, *v.* Tides.

Springbok, zool., a S. African antelope, *antilope euchore*.

Springer, △, impost, or place where vertical support to an arch ends & curve of arch begins.

Springer, 1] Robt., Germ. /, * 23/11 1816 Berlin. 2] Ant., ♛ /, * 13/7 1825 Prague; prof. at Leipzig 73.

Springfield, 1] ⊙ of Mass., U.S.A.; 35,000 inh.; U.S. armoury. 2] Cap. ⊙ Illinois, U.S.A.; 20,000 inh.

Spruce Fir, ✱, pop. name for many species of gen. *abies*, esp. *A. excelsa*, nat. of Norw. & N. Germany.

Spuller, Eugène, Fr. polit. & /, * 8/12 1835 Seurre; Gambetta's sec. 70, chf. editor of *République Franç.* 71, ldr. of Advanced Left in Chamb. of Deputies 80.

Spurge, ✱, gen. *euphorbia*; ylds. purgative milky juice.

Spurge Laurel, ✱, *daphne laureola*.

Spurgeon, Chas. Haddon, Bapt. preacher & † /, * 19/6 1834 Kelvedon; 1st serm. at Feversham 50, at Baptist Ch., Waterbeach, 51, at Southwark 53, built Metropolitan Tabernac. 61, fnded. Pastors' Coll. 56, Stockwell Orphanage 67. / "John Ploughman's Talk" 68, "Treasury of David," &c.

Spurn Head (or Point), penins. at mouth of ⚓ Humber.

Spurrey, ✱, gen. *spergula* of annual herbs; 1 Brit. specs. (*S. arvensis*, corn S.).

Spurs, ✕ of: 1] Fr. deftd. at Courtrai 1302 by Flemings, who afterwards picked up 4,000 pairs of gilt S. 2] Fr., who used spurs more than swords, deftd. at Guinegate, near Courtrai, by Eng. under Hy. VIII. 16/8 1513.

Spurstow, Wm., Nonconf. †, one of /s of Smectymnuus, & member of Assembly of †s, † 1666.

Spurzheim, J G, Germ phrenologist, * 31/12 1776 Treves, † 10/11 1832 Boston, U S A ✓ "Anatomy of Brain 26 &c

Squadron, 1] in Brit ✕ 2 troops of cavalry, comd by capt, & gen'lly ca 100 strong 2] ⚓, detachment of warships employed on a particular service or station less numerous than a fleet & comd by commodore or flag officer

Squarcione, Francesco, Ital fresco ⊕ * 1394 Padua, † 1474

Square, 1] geom 4 sided plane rectilinear fig with all sides equal & all angles right angles 2] Arith result obtained by multiplying a numb by itself, e g, 16 (4×4) is S of 4

Square Root, arith & algeb, quantity wh multiplied by itself produces given quantity, e g, S R of 25 is 5 since 5×5=25

Squatter, 1] Austral sheep farmer who occupies unsettld tract of land under Govt lease at nominal rent 2] An occupier without title

Squid, zool, pop name for any of the *lenthidæ* Common S, *loligo vulgaris*, Cornish coast, little S, *L media*

Squill, 1] ✱, gen *scilla*, bulbs, esp *S maritima* (or *urginea scilla*), nat of S Europe & Levant, *S nutans* wild hyacinth or bluebell 2] ✱, bulb of *S maritima*, stimulant, expectorant, diuretic, & purgative

Squilla, zool, gen of *stomapoda* crustaceans, includs mantis shrimp of Mediterranean

Squire, Saml, †, * 1714, dean of Bristol 60, bp of St David's 61, † 6/5 66 ✓

Squirrel, zool, any of the *sciuridæ*, esp *sciurus vulgaris*, common S, Brit, Eur, Caucasus, S Siberia

Squirting Cucumber, ✱, *ecbalium agreste*, prostrate plant from S Eur wh forcibly ejects seeds & juice when ripe

Staal, Marg J, baronne de (*née* De Launay), Fr polit & ✓, * 30/8 1684, imprisoned in Bastile, † 16/6 '0 "Mémoires" 55

Stabat Mater, †, Lat = the Mother stood, opening words of hymn on Crucifixion sung during Passion Week in Roman Church, attributed to *Jacopone*, Franciscan monk of 13th cent, set to ♪ by Palestrina Pergolesi, Rossini, &c

Staccato, ♪ directn to render notes abruptly, indicated by small upright dash Dot stands for *spiccato* less abrupt than S

Stachys, ✱ woundwort, gen of herbs ord *labiatæ*, ca 160 specs, 5 Brit *S sylvatica*, hedge S, *S palustris*, marsh S, *S germanica*, downy S, *S arvensis*, corn woundwort, & *S betonica* (or *betonica officinalis*), wood betony

Stackhouse, Thos, Eng † ✓ * 1680 † 11/10 1752 "✱ of Bible

Stade, Pruss ⊙, Hanov prov, on ⅄, Schwinge, nr confluence w Elbe, 9,000 inh S dues, charged by Hanov Govt on merchandise carried up ⅄, Elbe to Hamburg, were commuted for £425,000, 22/6 1861

Stadion, Ph K Count v, Austr statesm, * 18/6 176? For Min 1806, Fin Min 14, † 15/5 24

Stadium, Grk ✱ 1] lineal measure = 600 Grk ft, or 606¾ Eng ft 2] Course for foot races at Olympia, &c, exactly 1 S long

Stadtholder (Dutch Stadhouder), former title of Chf Mag of United Provs of Holland, or of govr or lieut govr of province Last S, Wm V who und Treaty of Vienna (1815) became k Wm I

Stael-Holstein, Anne L G, baronne de (*née* Necker), Fr ✓, * 22/4 1766 Paris, m (1) Baron de S H 86, (2) M de Rocca 1812, † 14/7 1817 Paris *Delphine* 02, *Corinne* 07 &c

Staff, Stave, ♪, the 5 lines on which notes & rests are written Great S, 11 lines, formed by ordinary treble & bass S s, w dotted line in middle, on wh middle c is written

Staffa, isld off W coast of Scotland, 7 m N of Iona, ca 1½ s m,

contains basaltic caves, including Fingal's Cave, 250 ft. long, 50 ft. broad at mouth, 70 ft. high.

Stafford, a midland Eng. co.; 1,144 s.m., 1,000,000 inh.; S. part "Black Country," N. part "Potteries;" rets. 7 M.P.s: Leek, Burton, W., N.W., Lichfield, Kingswinford, & Handsworth divisions. Chf. ⊙, S.; 20,000 inh.; rets. 1 M.P.

Stafford, Wm. Howard, viscnt., * 30/11 1612; s. of E. of Arundel; creatd. E. of S. 40, behead. on evid. of Titus Oates 29/12 80.

Stafford, John, ✝ & statesm.; Treas. of Eng. 1442, bp. of Bath & Wells, Lord Chanc. & archbp. of Canterbury 43, † 52.

Stag, Red Deer, specs. of deer, still wild in Scotland, Ireland, & on Exmoor; a hart in 5th year.

Stag Beetle, entom., any individual of fam. *lucanidæ*, esp. *lucanus servus*, largest Brit. B., male 2 in. long.

Stägemann, Max, Germ. baritone, * 10/5 1808.

Stagirite, Stagyrite=Aristotle, * Stagira, Macedonia.

Stagnelius, Erik Joh., Swed. poet. & ✆ ✓, * 14/10 1793, † 23/4 1823 Stockholm. "Vladimir the Great."

Stahl, 1] Georg E., Germ. ⚗ & ✍, * 21/10 1660 Anspach; prof. at Halle 94–1716, early advocate of phlogiston doctrine, † 14/5 34 Berlin. ✓. 2] Fried. Jul., ⚕ & polemic ✓, * 16/8 1802 Munich, † 10/8 61.

Stahr, A. W. T., Germ. critic. ✓, * 22/10 1805 Prenzlau, † 3/10 76 Wiesbaden.

Stainer, John, ♛, * 1840; Mus. Doc. 65, organist of Univ. Ch., Oxford, 60, of St. Paul's 72–88, kntd. 88, composer of cantatas, anthems, &c. ✓ "Treatise on Harmony."

Stair, *v.* Dalrymple.

Stalactites, ⚒, cones wh. hang fr. roofs of caverns, &c.; formed by water wh. percolates through rocks above, depositg. carbonate of lime, &c., on evaporation. Rest of the carb. of lime or other ⊕ substance in the water is deposited on floor, forming *stalagmites*, wh. sometimes meet the S.s.

Stalagmites, *v.* Stalactites.

Stalimene, *v.* Lemnos.

Stalybridge, ⊙ in Lancs. & Chesh., on both sides of ⅄ Tame; *ca.* 25,000 inh.; cotton; rets. 1 M.P.

Stamboul, *v.* Constantinople.

Stamen, ♂, male organ of flowr.; consistg. of filament, anther, & pollen; when 2 last are wantg., S. is abortive. *v.* Botany Plate.

Stamer, Lovelace, ✝, * 1829 York; suc. to baronetcy 60, preb. of Lichfield 75, archdeacon of Stoke-on-Trent 77, suffrag.-bp. of Lichfield.

Stamford, ⊙ of Lincs., on ⅄ Welland; 9,000 inh.; division rets. 1 M.P.

Stamp Duties, D.s imposed on certn. documts., wh. are only valid when stamped. First S. Act passed 1670–71; Chas. I.'s S. Duty on newspapers imposed 1711, abol. 1870.

Standard, The, London Conserv. morning paper, estabd. 1827. Evening edition estabd. 57; editor W. H. Mudford.

Standard, ✕ of the, 22/8 1138 Northallerton; Scots und. Dav. I. deftd. by Eng. und. Archbp. Thurstan: named from the English ensign, silver crucifix, on mast.

Standard Gold contains 11 pts. of pure G. w. 1 pt. alloy; S. silver, 37 parts of pure silver w. 3 pts. of alloy.

Standing Orders, rules of Houses of Parlt. wh., unlike Sessional Orders, remain in force till rescinded.

Standish, Frank (*né* Hall), ✓ & art-collector. * 1798, † 21/12 1840. "Life of Voltaire," &c.

Stanfield, Wm. Clarkson, landscape ✿, * 1798; A.R.A. 1832, R.A. 35, † 18/5 67.

Stanford, Chas. Villiers, ♛, * 30/12 1852 Dublin; organist of Trin. Coll. Oxf. 73, prof. at Cambridge 87. *Veiled Prophet* 81, *Savonarola* 88, *Canterbury Pilgrims* 84, &c.

Stanhope, 1] Jas, 1st earl of, statesm & genl, * 1673, comd in Spain 1708–10 Sec of State 14–17, 18, 1st Lord of Treas & Chanc of Exchequ 17–18, created Viscnt Mahon 17, Earl S 18 † 5/2 21 / "Constitution of Roman Senate" 2] Chas, 3rd earl, * 3/8 1753, suc 86 invented S press & calculating machines, † 16/12 1816 / of Reply to Burke on Fr Revolution 3] Edwd, 2nd son of 5th earl, statesm * 24 9 1840 London, Presdt of Bd of Trade 85–6, Col Sec 86 4] Philip Hy St, 5th earl ♛ /, * 31/1 1805, suc to title 55, fnded S prize for mod ♛ at Oxford, † 24/12 75 "War of Succession in Spain 32, "Eng fr Peace of Utrecht to Peace of Versailles 36–54, "Reign of Queen Anne 70, &c 5] Hester Lucy, dau of 3rd earl, * 12/3 1776 Lond, to Syria 1810 † 15/6 39 Marsaba / "Memoirs, &c 6] Philip Dormer, v Chesterfield 7] Geo, †, * 1660, dean of Canterbury, † 1728 /

Stanihurst, Richd, poet / & schol, † 1618

Stanislaus, St, * 1030 Galicia, bp of Cracow 71, assassd 79, canonised 1248

Stanislaus, kings of *Poland* 1] I, Leszczynski, * 20/10 1677 Lemberg, elected k 1704, dethroned 09, restored 33, abdicated 35, duke of Lorraine, † 23/2 66 / 2] II, Aug Poniatowski, king of P * 7/1 1732 Wolczyn, Lithuania, elect k 7/9 64 (by influence of Cath II of Russ), abdictd 95 aft 3rd dismembermt of P, † 12/2 98 St Petersburg

Stanley, 1] Arth Penrhyn, †, * 13/12 1815 Alderley, educated at Rugby & Oxf, canon of Canterbury 51, of Christ Ch, Oxf, & prof of eccles ♛ 58, to Eastw Prince of Wales 62, dean of Westminster 63 † 18/7 81, buried West Abbey / "Life of Arnold 44, "Canterbury Cathed" 54, "Sinai & Palestine" 55, "Eastern Ch" 61, "Jew Ch 62–75, "West Abbey" 67, "Christian Institutions" 81, &c 2] His father, Edwd, †, * 1779, bp of Norwich 1837, † 6/9 49 / "Familiar ♛ of Birds" 3] Edwd John, 2nd Lord S of Alderley statesm, * 13/11 1802, Presdt of Bd of Trade 55–8, Postmast Genl 60–6 † 16/6 69 4] Fredk Arth, Ld S of Preston, statesm, * 1841 London, younger son of 14th E of Derby in Grenadier Guards 58–65, M P 65, War Sec 78–80, Col Sec 85–6 Presdt of Bd of Trade & peer 86, Govr Genl of Canada 88

5] Hy Morton (Rowlands), explr, * 1840 Denbigh, corresp for *New York Herald* in Abyssin War 67 found Livingstone at Ujiji 71, in Ashantee War 73–4, explored Victoria Nyanza, Tanganyika, Albert Nyanza, & Lualuba 74–8, establd trdg stations on Congo 79–82, to relief of Emin Pasha 87 / "How I Found Livingstone 72, "Thro the Dark Continent 78, &c

6] Thos, ♙ & philol, * 1625, † 22/4 78 Editor of Æschylus, &c

Stanley, Lord, v Derby 1

Stannary, ⚒, tin mine or tin works S Courts, ⚖ Cs in Devon & Cornwall for administerg justice among tinners

Stannic Acid, v Tin

Stanovoi Mountains, ⛰ in E Siberia, average height 3,000 feet, greatest height ca 6,000 feet

Stansfeld, Jas, statesm, * 1820 Halifax, M P 59, Presdt of Local Govt Board 71–4, 86

Stanton, Edwin M, American statesm, * 19/12 1814, Att-Genl 60, War Sec 62–67, † 23/12 69

Stanyhurst, 1] Richd, Irish ♛ & †, * 1545 Dublin, † 1618 / "♛ of Ireland," &c 2] His son, Wm, Jesuit †, * 1601, † 10/1 68

Stapledon, Walter, †; bp of Exeter 1307, founded Exeter Coll Oxf 14, Ld High Treas 19–21, 24, executed 15/10 26

Stapleton, Sir Robt, ✪ /, † 1669 *Hero & Leander, &c*

Stapps, Fried, * 14/8 1792, tried to assass Napol 13/10 1809, executd 17/10

Star, ★, popularly, any heavnly. body except sun, moon, & comets; strictly, any self-luminous body in heavens or a fixed S. (*q.v.*).

Star Chamber, civil & crim. court held in a room at Westminster where Jew. covenants (*starra*, fr. Hebr. *shetar*) were kept. Und. Chas. I. its jurisdiction was extended to cases belonging to courts of common ⚖, & arbitrary penalties were inflicted. Abolished 10 Chas. I.

Star of Bethlehem, ♃, genus *ornithogalum*, esp. *O. umbellatum*, small herb.

Star of India, *v.* Orders 2.

Star Thistle, ♃, *centaurea calcitrapa*, rare Brit. biennial plant.

Starboard, ⚓, right-hand side of a vessel, looking fr. aft forward. "To starboard the helm" = to put the tiller over to the right side of a vessel.

Starch, ⚗, important organic compound found in all plants; prepared by finely grinding root & stirring up w. water, when the S. settles at bottom as glitterg. white powder; sp. gr. 1·505 at 66°; consists of carbon (6 atoms), hydrogen (10), oxygen (5). Under sulphuric acid & diastase becomes dextrose, maltose, or dextrine, according to temp. & agent; heated to 160° becomes dextrin = British gum.

Staremberg (Starhemberg), 1] Guido, count, Austr. genl., * 11/11 1657; field-marshal 1704, put down Hungar. revolt 06, comd. in Spain 10-13, † 7/3 37. 2] Ernst R., count, Austr. genl., * 1635 Graz; comd. in Vienna 83 during siege by Turkey, † 4/1 1701.

Star-fish, zool., any individ. of fam. *asteriadæ* or *asteridæ*, espec. *asterias rubens*, common S.-f.

Stark, 1] Wm., Eng. ♂, * 1740, † 69. 2] K. Bernhard, German Ψ, * 2/10 1824 Jena; prof. at Heidelberg, † 12/10 79.

Starling, ornith., any individ. of gen. *sturnus*, 6 species; specif., *S. vulgaris*, common S.

Starnberg Lake, or Wurmsee, Upper Bavaria; 45 s.m.

Stassart, 1] Jacques J., baron, Belg. statesm., * 1711; Presdt. of Council of State 64-89, † 21/3 1801. 2] His grand-neph., Goswin J. A., baron, statesm. & schol., * 2/9 1780; President of Senate & govr. of Brabant, director of Brussels Acad., † 10/10 1854. ♂.

Staten Island, isle off N. Jersey, U.S.A., w. suburbs of ⊙ N. York.

Stater, anct. Grk. silver coin = $\frac{1}{50}$ Mina = *ca.* 2s.

Statice, ♃, sea-lavender; gen. of perenn. herbs; *ca.* 60 specs., N. temp. zone; 3 Brit. species: *S. limonium*, Creeping Spiked Sea-lav.; *S. auriculæfolia*, Upright Spiked Sea-lav.; *S. caspia*, Matted Thrift.

Statics, branch of ⚙s which treats of forces in equilibrium.

Statius, Pub. Papinus, Roman poet. ♂, * 61 Neapolis (Naples), † 96. "Thebais," "Achilleis," &c.

Stature, Average: Scotch 68·7 in., Irish 67·90, Eng. 67·36, Welsh 66·66—a mean of 67·66; Polynesian tribes 69·33, Patagonians 69, Amer. whites in U.S.A. 67·67, Zulus 67·19, American negroes 66·62, Eng. Jews 66·57, Fr. upper classes 66·14, Germans 66·10, Arabs 66·08, Russians 66·04, French working classes 65·24, Hindoos 64·76, Chinese 64·17, Bushmen of S. Africa 52·78.

Status quo, Lat. = condition in wh.; contraction of *S. Q. antea* = condition in wh. (things were) previously.

Statute, *v.* Act.

Statute of Distributions, *v.* Intestacy.

Statute of Frauds, Act of 1676 to lessen facilities for fraud by decreeing contracts for sale of land, leases for more than 3 years, &c., to be invalid unless in writing.

Stauffenberg, F. A. Baron Schenk v., Bav. statesm., * 4/8 1834 Würzburg.

Statute of Limitations, *v.* Limitations.

Staunton, 1] H., Shakesp. editr.

& chess ✓, * 1810, † 22/6 74 2] Geo L, ✝ & diplom, * 19/4 1737 Ireland negot treaty of peace w Tippoo Sahib 84, bart, † 14/2 1801 ✓ 1 Ld Macartney s Embassy to China 1797 3] Sir George T s of 2 Chinese schol, * 26/5 1781, † 10/8 1859 ✓

Staupitz, Joh v, German † vicar general of Augustin convent in which Luther lived, † 1524

Stave, ♨, *v* Staff

Steam, physics colourless in visible gaseous form of water distinct from cloud that issues from kettle, &c (wh is composed of small drops produced by condensation of S as it issues into colder air) Water boils at sea level in an open vessel at 212° & in such vessel the S never exceeds this temp in a closed vessel the S accumulates & both temp & pressure increase If now allowed to escape it expands until pressure is not greater than that of the atmosphere, temp also being reduced

Steam Engine, ⚙ apparatus for converting heat into work 1st S E on record is Hero of Alexandrs *eolipile ca* 215, 1st S E used for practical purposes described by Capt Savery (1698) for raising water cylinder w movable piston actuated by atmospheric pressure against vacuum caused by condensed steam invtd by Papin & applied by Newcomen to the first proper engine (for pumping mines) 1705 method of condensing S in vessel apart from cylinder invtd by James Watt 63 who also applied crank to convert piston motion into circular, the slide valve in use by Murray 1801, the compound E by Woolf 1804 A locomotive was patented by Watt *ca* 1784 Trevithick made a high pressure locomotive 1802 Geo Stephenson the Killingworth engine 14 & the Rocket 29 *v* Steam Navigation

Steam Hammer, ⚙ H worked by S, invtd by Jas Nasmyth 1839 patented 42, weighs from 2 cwt to 100 tons S H s, rated according to effective weight of piston & hammer head or drop, range from 100 lbs to 80 tons Ideas were patented by Jas Watt 1784 by William Deverell 1806

Steam Navigation, ⚙, suggested by Marq of Worcester 1655, patent for kind of S tug obtained by Jonath in Hulls 21/12 1736 steamboats constd 1783 by Fitch for ⚓ Delaware & by Claude (Comte de Jouffroy) for ⚓ Saone Paddle whls patented by Miller 1781, screw propeller invtd by Shorter 1802 improved & adopted by Brit Govt 1840 First S ship voyage fr N York to Liverpool 1819 (26 days), 1st to India 1825 reg S communication with America began 38

Stearic Acid, ⚗ discovered by Chevreul present in anim & veget fats (esp in beef & mutton suet) as *tearin*, compound of S A & glycerine Prepared artificially for manufacture of stearin candles

Stearin, *v* Stearic Acid

Steatite, *v* Talc

Steatoma, ✝ wen contents of which resemble suet

Stedman, Edmund C, Amer poet & misc ✓ * 8/10 1833 Hartford Lyrics & Idylls 1860, Victorian Poets 75, &c

Steel, ⚗ metallic iron, intermediate betwn cast iron & malleable iron prepared by embedding bars of malleable iron in powdered charcoal in rectangular crucible, where, exposed to full red heat they take up from 1 to 2 % of carbon, becoming harder, yet still fusible Bessemer S is melted cast iron into wh atmospheric air has been forced S becomes very hard when plunged red hot into cold water, & is then made less brittle by tempering Temper of 221° most suited for lancets & razors 250° scissors & penknives, 289°–293 swords & watch springs Was manufactd by anct Greeks Cast S 1st made 1740 nr Sheffield Bessemer process pub

lished 1856; Siemens produced S. direct from iron ore 76.

Steele, Richd., essay & ✆ /, * 1671 Dublin; educ. at Charterhouse & Merton Coll., Oxfd.; enlisted in Horse Guards, contrib. to *Tatler, Spectator, & Guardian;* expelled fr. Ho. of Coms. for writing "Englishman" & "Crisis," kntd. by Geo. I. & made a Comsr. of Forfeited Estates in Scotland, † 21/9 1729 Llangunnor, nr. Carmarthen. "Christn. Hero" 01, *The Funeral* 02, *Tender Husband* 03, &c.

Steelyard Company, ♔, body of Germ. & Flemish merchants in London to whom Hy. III. granted valuable privileges 1259; expelled by Elizabeth 1597.

Steen, Jan, Dutch genre ◉, * *ca.* 1626 Leyden, † there 3/2 79.

Steenie, Jas. I.'s nickname for Geo. Villiers, dk. of Buckingham.

Steenwyck, 1] Hendrik, Dutch ◉, * 1550, † *ca.* 1603. 2] His son, Hendrik, ◉, * 1589, † after 1642.

Steeplechase, cross-country race, in wh. ditches, hedges, &c., have to be jumped.

Steevens, Geo., Shakespearian critic, * 10/5 1736 Stepney, † 22/1 1800.

Steffani, Agostino, Ital. ♛ & †, * 1655 Castello Franco; capellmeister to Elector of Hanover (aftwds. Geo. I.), bp. of Spiga, † 1729 Frankfrt.-on-Main. Duets, &c.

Steffens, Henrik, Norweg. ⚘, * 2/5 1773; prof. at Hamburg, Jena, Breslau, Berlin, † 13/2 1843. /.

Steibelt, Daniel., German ♛, * 1765, † 1823.

Steiermark, Germ. = Styria.

Stein, 1] Hein. F. K. Baron v., Pruss. statesm., * 26/10 1757 Nassau; Fin. & Trade Min. 1804, then Prime Min., brt. about allied actn. against Napol. I., † 29/6 31 Kappenberg. 2] Charlotte v. (*née* Schardt), * 25/12 1742 Weimar; married 64, friend of Goethe, † 6/1 1827. 3] Lorenz v., polit. econ. /, * 15/11 1815; professor at Vienna 55.

Steiner, Jac., Germ. math., * 18/3 1796 Utzendorf; prof. at Berlin, † 1/4 1863 Bern.

Steinhausen, H., rom. /, * 27/7 1836 Sorau.

Steinhäuser, Karl, Germ. ✆, * 3/7 1818 Bremen, † 9/12 79 Karlsruhe.

Steinheil, Karl A., German physicist, * 12/10 1801 Rappoltsweiler, † 14/9 70.

Steinla, Mor. (Müller), engraver, * 1791, † 21/9 1858 Dresden.

Steinle, J. E., ◉, * 1810 Vienna; prof. at Frankfort-on-Main.

Steinmetz, K. F., Prussn. genl., * 27/12 1796 Eisenach; comd. 1st army in Franco-German War, recalled 12/9 1870, field-marshal 71, govr. of Posen & Silesia, † 4/8 77 Landeck.

Steinthal, Heymann, philol., * 16/5 1823 Grobzig; prof. at Berlin 63.

Stella, 1] Swift's name for Esther Johnson (* 1684, † 1727), whom he married privately 1716. 2] Sir P. Sidney's name for Lady Penelope Devereux. 3] Pseud. of Mrs. Bowen-Graves. / of "My Queen," set to ♛ by Blumenthal.

Stellini, Giacomo, Ital. ⚘, * 27/4 1699 Cividal del Friuli; prof. at Padua, † there 7/3 1770. /.

Stelvio Pass, in Alps betw. Austr. & Italy, opened 1824; 9,100 feet.

Stelzhamer, F., Austr. poet. /, * 29/11 1802, † 14/7 74 Henndorf.

Stem, ♨, part of plant which bears leaves & flowers. Leaves & branches occur at the *nodes*, intervening spaces being *internodes*.

Stendhal, v. Beyle, Marie Henri.

Steno, Nicolas, Dutch anat. & Rom. Cath. †, * 1/1 1631; prof. at Copenhagen, bp. of Heliopolis 77, apostol.-vicar for N. Europe, † 25/11 87. /.

Stenography, shorthand; said to have orig. w. Egyptns., certnly. used by Roms. in time of Cicero. Earliest Eng. work Dr. Bright's, 1588; Mason's system invtd. 1682; Gurney's (a modification of M.'s)

1751, Thévenot's 77, Taylor's 86, Pitman's (Phonography, in which words are written as sounded, not as spelt) 1837.

Stentor, Grk. myth., loud-voiced Grk. herald in Trojan War.

Stenzel, G. A. H., ✍ /, * 21/3 1792 Zerbst; prof. at Breslau 1820, † 2/1 1854.

Stephan, H., statesman, * 7/1 1831 Stolp; Germ. Postmaster-Genl. 76. /.

Stephanie, 1] dau. of Leopold II. of Belg., * 21/5 1864 Laeken; m. 10/5 81 to Cr. Prince Rudolf of Austr. 2] Dau. of Count Claude Beauharnais, * 23/8 1789; m. 8/4 1806 to Archdk. Karl L. F. of Baden, † 29/1 60 Nice.

Stephanus, *v.* Etienne.

Stephanus Byzantius, Greek grammarian & ⊙, 6th century (?).

Stephen, 1] k. of Eng., * 1105; 3rd son of Hy. Count of Blois, by Adela, dau. of Wm. the Conqueror; m. Matilda, dau. of Eustace III.; count of Boulogne 24, swore alleg. to Matilda, dau. of Hy. I., 26, seized throne 35, won ⚔ of Standard 22/8 38, taken prisoner by Matilda ⚔ of Lincoln 2/2 41, released 1/11 42, again deftd. & retired to Fr. 47; guaranteed succession to Matilda's son, Hy. II., 53, † 25/10 54. 2] Four kings of Hungary: I., * 979, s. of Geysa, Magyar duke; king 997, † 15/8 1038. *Ten Popes*: 3] I., elect. P. 13/3 253; martyred in Valerian persecutn. 2/8 257. 4] II., 19–23/3 752. 5] III., elected 752; founded temporal power 756, † 27/4 757. 6] IV., 768–72. 7] V., 816–17. 8] VI., 885–91. 9] VII., 896. 10] VIII., 929–31. 11] IX., 939–42. 12] X., 1057–58; separatn. of Grk. & Rom. Churches. 13] King of Poland, *v.* Bathori.

Stephen, 1] Jas., ⚖ & philan., * 1759; Master in Chancery 1811–31, † 10/10 32. / "Slavery of Brit. W. Ind. Colonies." 2] His son, Sir Jas., ✍, * 3/1 1789; Colon. Under Sec. 1836–48, prof. of modern ✍ at Camb. 49, † 14/9 59. / "Eccles. Biog." 49, &c. 3] Sir Jas. Fitzjames, eldest s. of 2, ⚖, * 3/3 1829 London; Q.C. 68, ⚖ memb. of Ind. Council 69–72, prof. of common ⚖ Inns of Court 75–9, Judge of High Court 79. Polit. & ✍ /. 4] Leslie, brother of 3, misc. /, * 28/11 1832 London; editor of *Cornhill* 71–82, of "Dict. of National Biog." 72, / "Free-thinking & Plain Speaking" 73, "Hours in a Library" 74–9, "Science of Ethics" 81, "Life of Fawcett" 85, &c.

Stephens, 1] Jas., Fenian organiser, * *ca.* 1820; started Fenian movement 58, expelled from Paris 86. 2] Alex. H., Amer. stateam., * 11/2 1812; Vice-Presdt. of Confed. States 61–5, † 4/3 83. 3] Edwd. B., ☉, * *ca.* 1820; A.R.A. 64, † 10/11 82. 4] Jas. F., entom., * 1792, † 1852. 5] John L., Amer. travelr. & Ψ, * 1805, † 52. 6] Thos., /, * 1821, † 75. "/ of the Kymry."

Stephenson, 1] Geo., ⚙, * 9/6 1781 Wylam; invented locomotive 1814, safety-lamp 15, † 12/8 48 Tapton. [2 His son, Robt., ⚙, * 16/10 1803 Wilmington Quay; improved steam-engine, built Menai & other bridges, † 12/10 59 London. /.

Stepney, Geo., Eng. poet. / & diplom., * 1663, † 1707.

Steppes, extensive tracts of land, barren except in spring, stretching from the Dnieper across S.E. of European Russ., round shores of Caspian & Aral Seas, into Siberia, &c.; called Grass, Salt, & Sand S.s.

Stère, metrical stand. of solid meas. = 1 cub. met. = 35·317 cub. ft. *Decastère* = 10 S.s. *Decistère* = $\frac{1}{10}$ S.

Stereoscope, ⚙, optical instr. (invented by Wheatstone, improved by Brewster) for making two flat pictures look like one solid object.

Stereotrope, ⚙, instr. which shows an object as though solid & in motion.

Stereotype, ⚙, plate cast from plaster or *papier-mâché* mould, on which is facsimile of page of type. The type having been set up & tightly clamped together, an im-

Tenterden, Chas. Abbot, Ld., ⚖, * 1762 Canterbury; judge of Com. Pleas 1816, of K.'s Bench same yr., Lord Chief Just. 18, peer 27, † 4/11 32. / "⚖ of Merchant Ships & Seamen" 02.

Tentzel, Wilhelm E., Germ. ♛ & Ψ /, * 1659, † 1707.

Tenuto, 𝄽, Ital. = held; directn. to hold notes full time.

Teocalli, Mexican pyramids, *v.* Cholula.

Teraphim, Jew. Ψ, household gods = Roman *penates.*

Tercel, ornith., male falcon, esp. com. falcon, *falco peregrinus.*

Terebinth Tree = Turpentine Tree (*q.v.*).

Teredo, zool., ship worms, wood worms; gen. of 2-valved worm-like molluscs; 21 specs.; Brit., Norway, Black Sea, & tropics; bores into timber.

Terence (Publius Terentius Afer), Rom. comic & ⊖ /, * 195 B.C. Carthage; to Rome as slave, † 159.

Tergant, herald., showing back part; *e.g.*, an eagle T.

Terminalia, Rom. Ψs, annual festival, on 23/2, in honour of Terminus.

Terminus, Rom. myth., god of boundaries, whose temple was on Tarpeian Rock; represented with human head, minus feet or arms, to intimate immovableness.

Termites, entom., white ants; family of *pseudo-neuroptera*, tribe *socialia;* trop. & sub-trop. regns.; live in colonies in mounds, sometimes many feet high, blt. of earth.

Tern, ornith., sea-swallows; any spec. of gen. *sterna; ca.* 60 specs., 14 British.

Ternate, Dutch island of the Moluccas, E. Archipel., 10 m. in diam.; volcano, *ca.* 6,000 feet.

Terpander, "Father of Grk. 𝄽" & poet. /, * Antissa, Lesbos, 7th cent. B.C.; set Homer's poems, also his own, to 𝄽.

Terpsichore, classical myth., Muse of dancing, dau. of Jupiter & Mnemosyne.

Terra-Cotta, Italian = baked earth; compound of pure clay, fine-grained colourless sand or calcined flints, & pulverised potsherds, moulded, dried, & baked in kiln.

Terrestrial Magnetism, M. as exhib. by earth, itself a great natural magnet. *v.* Magnetism.

Terrier, zool., 2 breeds of the dog, (1) Eng. & (2) Scotch T., w. numerous sub-varieties. Dandie Dinmont & Skye T. are vars. of (2).

Terris, Wm. (*nom de théâtre*), ⊖, neph. of G. Grote, * 1849 London.

Terry, 1] Ellen Alice, ⊖, * 27/2 1848 Coventry; 1st appearance 56 at Princess's, at Lyceum 80/12 78, to America 83, 4, 7. 2] Her sister Kate, ⊖, * 1844; retired 67. 3] Their sist. Marion, ⊖, * 1856. 4] Their sist. Florence, ⊖, * 1859; retired 82, marr. W. Morris. 5] Edwd. O'Connor, ⊖, * 10/3 1844 London.

Tertiary Rocks, ⚒, Cainozoic R., uppermost of the three great groups; div. into Pliocene, Miocene, & Eocene (*q.v*).

Tertre, 1] Franç. J., Fr. Jesuit & ♛ /, * 1715, † 59. 2] Jean B. du, Fr. Dominic. missy., * 1610, † 87. / "♛ of Antilles."

Tertullian, Latin Father, * Carthage, became Montanist, † *ca.* 220. / "Apology for Christian Relig."

Terwesten, 1] Augustin, Dutch ♛ ⊕, * 1649, † 21/1 1711. 2] His bro. Mathias, * 1670, † 1735. 3] Their bro. Elias, * 1651, † 1724.

Terzetto, 𝄽, short piece or movement for 3 performers.

Tessin, *v.* Ticino.

Tessin, 1] Carl Gustav, count, Swed. For. Min. & amb., * 1695, † 1770. 2] Nicodemus, △, * 7/12 1615, † 24/5 87. 3] Nic. V., △, son of 2, * 23/5 1654, † 10/4 1728.

Test & Corporation Acts, ⚖s passed 1661, 73, compelling members of Corporations & all public officers to take oaths of allegiance & supremacy, subscribe agst. transubstantiation, & receive

Communion in Established Ch. Repealed 1828 by 9 Geo. IV., c. 17.

Test Papers, ⚗, strips of paper impregntd. w. vegetable colouring matter, wh. changes colour when acted upon by acid or alkaline solution. Red litmus is used for alkalies, blue litmus for acids, turmeric for alkalies & boric acid, starch for free iodine, acetate of lead for sulphurettd. hydrogen, tinct. of Brazil wood for hydrofluoric acid.

Testamur, Lat. = we testify; voucher of success in exam. at an English university: a certificate.

Testi, Fulvio, count, Ital. poet, * 23/8 1593, † in prison 28/8 1646.

Testudo, Rom. ⚔s. shields held above heads of advancg. soldrs. so as to form covering like shell of a tortoise, to protct. them fr. missiles thrown fr. walls of assaulted ⊙.

Tetanus, ✚, lock-jaw; violent spasms of the voluntary muscles; exact nature imperfectly. understd.

Tête-à-tête, French = head to head; private, confidential.

Tête du Pont, ⊕, watch-tower or ⚒ work at head of a bridge.

Tethys, 1] Greek myth., chief sea-deity, wife of Oceanus, dau. of Uranus & Ge, moth. of chf. ⚓s of universe & of the Oceanides. 2] Satellite of Saturn; period. time, 1 day 21 hours 18 minutes 25·7 secs. 3] Zool., gen. of *tritoniadæ*, molluscs; 1 spec.

Tetrahedron, geom., triang. pyramid with 4 equal equilateral faces, wh. are equilateral triangles.

Tetrameter, prosody, verse of 4 feet or 8 syllables.

Tetraonidæ, ornith., fam. of *gallinæ* or game-birds; includes grouse, partridges, & quails; 29 genera, 120 species.

Tetrarch, Rom. governor of 4th part of province.

to sell
✓ a reply to Luther's "Theses."

Teucer, Grk. myth., bro. of Ajax, banished by his father on return fr. Troy for not avenging on Ulysses the death of his brother.

Teuffel, Wilh. S., Germ. philol., * 27/9 1820 Ludwigsburg; prof. of class. philol. at Tübingen 57, † 8/3 78. ✓ "♛ of Roman ✓" 70, &c.

Teutonic Cross, herald., cross potent; orig. badge assigned by Emp. Hy. VI. to knts. of T. Order.

Teutonic Languages, group belonging to Aryan or Indo-Europ. fam. Inclds. (1) *Low Germ.:* Gothic, Frisian, Dutch, Flemish, Old Sax., & Eng.; (2) *Scandinavian:* Icelandic, Norwegian, Swedish, & Danish; (3) *High German:* Old, Middle, & Modern High German.

Teutonic Order, *v.* Orders 3.

Teutons, orig. an anct. Germ. tribe, on shores of Baltic, conqd. by Romans under Marius 102 B.C.; aftwds. applied to Germanic people of Europe genlly.; now to Germans, Dutch, Scandinavians, & those of Anglo-Saxon descent, as opposed to Celts.

Tewfik Pasha (Mohammed T.), Khedive of Egypt, eld. s. of Khed. Ismail, * 19/11 1852; Viceroy of E. 25/6 1879 on his fath.'s abdicatn., marr. Princess Emineh (dau. of El Hami Pasha) 18/1 78.

Tewkesbury, ⊙ of Gloucestershire, on ⚓ Avon; 5,500 inh. ⚒ 4/5 1471, Yorkists under Edwd. IV. deftd. Lancastrians, & took prisnr. Queen Margaret & Prince Edward.

Texas, largest State of U.S.A., on borders of Mexico; 265,780 s.m., 1,600,000 inh.; prairie & forest land & ⊕s; fine clim. Cap. ⊙, Austin. ♛: revolted from Mexico 1835, independence acknowledged 40, joind. Union 46, seced. 61, re-admitted 70.

Texeira (or Texera), 1] Jose, Portug. Dominic. monk & ♛ ✓, * 1543, † 1604. 2] Pedro, Portuguese travlr. & orientalist, * 1570, † 1610.

Texel, island at mouth of Zuyder Zee; part of prov. of N. Holland; 55 s.m., 7,000 inh. ⚒ 31/7 1653, Eng. und. Monk deftd. Dutch under Van Tromp, who fell.

Thackeray, 1] Wm. Makepeace,

nov. ✓, * 19/7 1811 Calcutta; educ. at Charterhouse & Camb., editor of *Cornhill* 59–62, † 24/12 63. "Paris Sketch Book" 40, "Vanity Fair" 48, "Pendennis" 50, "Esmond" 52, "Newcomes" 54, "Barry Lyndon," "Four Georges," "English Humorists of 18th Cent.," "Yellowplush Papers," "Bk. of Snobs," "Ballads of Policeman X," "Philip," &c. 2] His dau., Anne Isab. (Mrs. Ritchie), nov. ✓, * London.

Thaïs, Athen. courtesan, mistress of Alex. the Great, aftwds. of Ptolemy Soter, 4th cent. B.C.

Thalberg, Sig., pianist & ♫ comp., natural son of Prince Dietrichstein, * 27/1 1812 Geneva, † 26/4 71 Naples.

Thaler, Germ. silver coin = 30 silbergroschen = 3s.; superseded as the unit by *mark* 1871. Maria Theresa T., used in Afr. = 4s. 2d.

Thales, Grk. ♃, * *ca.* 636 B.C., † *ca.* 546; founder of Ionic school.

Thalestris, class. myth., Q. of Amazons; any female warrior.

Thalia, class. myth., Muse of comedy & idyllic poetry; represented w. comic mask & shepherd's staff or wreath of ivy.

Thallium, ♃, triad metallic element discovd. by Crookes 1861; found in many kinds of ores; sp. gr. 11·80–11·91, melts at 293°; very soft; communicates intense green hue to colourless flame.

Thallogens, ❦, class of plants lowest in organisation; no proper wood, stem & leaves undistinguishable; no breathing pores; mere masses of cells.

Thallus, ❦, fusion of root, stem, & leaves into one general mass.

Thames, largest Eng. ♃; rises as the Isis on S.E. slope of Cotswold Hills (in Gloucestersh.), passes thro' N. of Wilts. as T., falls into Germ. Ocean; *ca.* 220 m. Navigable for barges to Lechlade, 138 m. above London. The Roman Tamesis.

Thammuz, 10th month of Jew. civil year, 29 days.

Thana, distr. of Bombay, Brit. India; 4,052 s.m., 850,000 inh. Chf. ⊙, T.; 15,000 inh.

Thane, Thegn, Anglo-Sax. title of honr. Freeman not noble became a T. by acquiring certain amount of land, making 3 sea-voyages, or receiving holy orders.

Thanet, N.E. corner of Kent, separ. from mainland by ♃ Stour; 42 s.m., 50,000 inh.; rets. 1 M.P.

Thar and **Parkar**, district of Sind, Brit. Ind.; 12,729 s.m., 180,000 inh. Chf. ⊙, Umarkot.

Thasos, most N. island of Sporades, nr. mth. of ♃ Kara-su, Eur. Turkey; 85 s.m., *ca.* 6,000 inh. Anctly. celebrated for gold-mines.

Theban Legion, *v* Thundering Legion 2.

Theban Year, Egyptn. year = 365 days 6 hours.

Thebes, anct. ⊙, 1] large ⊙ of Egypt, cap. of Thebais & once of whole country, on ♃ Nile; said to have been 14 m. in circumf.; at height of splendour *ca.* 1600 B.C.; destroyed by Cambyses 525 B.C. Ruins include 4 mod. villages of Carnac, Luxor, Medinet Abou, & Gournou. 2] Chf. ⊙ of ancient Bœotia, fnded. by Cadmus 1498 B.C.; destroyed by Alexander 336 B.C.; rebuilt. Now *Thiva;* 7,000 inh.

Thecla, †, early Christian martyr; date not known.

Theebaw, ex-king of Burmah, * 1858; suc. his fath. 78, deposed by Eng. 85, sent to Brit. Ind.

Theft, *v.* Larceny.

Theine, *v.* Caffeine.

Theiner, Aug., Germ. R. Cath. †, & ✍ ✓, * 11/4 1804 Breslau, † 10/8 74.

Theism, †, 1] Belief in God; opposed to atheism. 2] Belief in God & natural religion, w. disbelief in supernatural revelation.

Thelusson Act, ⚖, 39th & 40th Geo. III., c. 98, preventg. bequests fr. accumulating for more than 21 years; passed *à propos* of will of Peter Thelusson, London merchant († 21/7 1798), directg. that his property should accumulate until it amounted to £18,000,000.

Thelwall, John, polit. & ✓, * 1764; tried for treason with Horne Tooke & acquitted, † 17/2 1834

Themis, Grk myth, goddess of ⚖ & justice, dau. of Uranus & Ge, wife of Zeus.

Themistius, Grk. ✍ & orator, * *ca.* 315, † *ca* 390.

Themistocles, Athen. genl. & statesm, * *ca* 514 B C.; chf archon 481, deftd Pers fleet at Salamis 20/10 480, ostracised & retired to Argos 471, † 449 Magnesia

Thénard, Louis J., Fr. ⚗, * 1777 La Louptiere, † 1857 ✓.

Theobromine, ⚗, alkaloid in seeds of *theobroma cacao;* closely related to caffeine.

Theocracy, govt. in wh political power is in hands of priests

Theocritus, Grk. idyllic poet. ✓ 3rd cent. B C., * Syracuse

Theodolite, ⊕, instr for meas. horizontal & vertical angles

Theodora, courtesan at Constantinople, * *ca.* 500, in Justinian, became empress 27, † 48.

Theodore, 1] (Kassa), king of Abyss, * *ca* 1818, † by succ. 13/4 68 Magdala on ⊙ being stormd. by Brit. 2] Saint, ✝, * *ca.* 602 Tarsus; sent to Brit. by Pope; archbp. of Canterbury 668, † 19/9 690. ✓. 3] Bp of Mopsuetia, Cilicia, * 394, † 429 ✓. 4] Th. Anton, k of Corsica, * 1696; proclaimed 15/4 1736, to Eng. as refugee 43, imprisd. for debt, † 11/12 56

Theodoret, Syrian ✝, * 386 Antioch, bp. of Cyrus 420, defended Nestorius, but afterw took part in his excommunication, † 457. ✓.

Theodoric, 1] k. of Visigoths, son of Alaric; succ. in S of Fr. 419, deftd. by Attila at ⚔ Châlons-sur-Marne & slain 451 2] His son, * 426; succ. 452, † 466. 3] ("the Great"), k. of Ostrogoths, * 455 near Vienna; succ. 474, deftd. Bulgarians 485, deftd. Odoacer at Verona 29/9 489, succ. him as king of Italy 493, m. Andofleda (sist. of Clovis) 509, † 30/8 526.

Theodorus, 2 Popes: 1] I., * *ca.* 580 Jerusalem; elected 642, † 13/5 649. 2] II, * Rome, elected 898, † 3/3 898

Theodosius, 3 Rom Emprs. of East 1] I ("the Great"), * 345; s of T the genl, co-Emp. w. Gratian 379, deftd & slew Maximus 387, sole Emp 394, † 17/1 395 2] II., his grandson, * 30/4 401; son of Arcadius, succ him 408, promulgated *Codex Theodosianus* 439, † 28/7 450.

Theology, science of divine things, divd. into Natural (deduced by reason fr. survey of universe), & Revealed (founded on Revelation)

Theon, 1] Ælius, Grk. rhetorician at Alexandria 4th cent. ✓. 2] ("the Younger") of Alexandria, math., * early in 4th cent, fath of Hypatia 3] ("the Elder") of Smyrna, math, 2nd century.

Theophanes, Grk. ♛ & poet ✓, * *ca* 100 B C Mitylene, accompanied Pompey & described his campaigns.

Theophilus, 1] bp. of Antioch, flourished *ca.* 170, first to use term Trinity. 2] Bp of Alexandria 385, opponent of Origen & Chrysostom, † 412 3] Rom. Emperor of East: associated w his fath, Michael II., 821, succeeded him 829, † 842.

Theophrastus, Grk. ✍, * *ca.* 390 Lesbos, † 286. ✓ of works in development of Aristotle's ✍.

Theopompus, Greek ♛ ✓ & orator, * 380 B.C. Chios, † 304

Theorbo, 𝄞, stringed instr like lute: popular in 17th cent

Theorem, geom, a proposition to be demonstrated; differs from problem in that it is something to be proved, not done.

Theosophical Society, semi-Buddhist S fnded. at New York 1875 by Col Olcott & Mme. Blavatsky, (1) to form nucleus of universal brotherhood, (2) promote study of oriental ✓ & ✝s, (3) investigate unexplained laws of nature. Branches in Europe & India.

Theramenes, Athen. tyrant, † by poison 404 B.C.

Therapeutæ, ✝, Egyptn. Jews at end of 1st. cent. who retired to

solitary cells & gave themselves up to contemplation of Deity.

Theresa, St., * 28/3 1515 Avila, Old Castile; of noble family; fnded. convent 62, † 4/10 82 Alba. † /.

Thermidor, 11th month of Fr. repub. year, 19/7–18/8.

Thermidorians, Fr. ♛, those who secured Robespierre's fall on 9th Thermidor of 2nd repub. year = 27/7 1794.

Thermo-dynamics, branch of science wh. deals w. relatns. betw. heat & mechanical work. Two chf. laws: (1) whenever work is done by heat, amount of heat disappears = work done; (2) mechanical effect can only be produced. by transferg. heat from one body to another of lower temperature.

Thermo-electricity, E. produced by heating or cooling the junctn. of 2 dissimilar metals.

Thermometer, ⊕, instrmt. for measurng. temperature by expansn. of liquid or gas, generlly. mercury, On *Centigrade* or *Celsius T.*, used by scientists all over world, distce. betw. freezg.-pnt. & boilg.-pnt. is divid. into 100 degrees, freezg.-pnt. bng. 0°, boilg.-pnt. 100°; on *Réaumur T.*, used in N.W. Europe, 80 degs., freezg.-pnt. 0°, boiling-pnt. 80°; on *Fahrenheit T.*, used in Eng., 180 degs., freezing-point 32°, boilg.-pnt. 212°. Degrees above 0° are + degs., below 0° — degs. *Temperatures in this work are expressed in terms of Fahrenheit's T.* To convert Centigrade into Fahrenheit, multiply by 9, divide by 5, add 32; *vice versâ*, subtrt. 32, multply. by 5, div. by 9. Mercury can only be used for temps. between — 40° & + 675°; for lower temps. alcohol is used; for higher, air T.s or metallic rods.

Thermopylæ, anct. ⊖. pass betw. Thessaly & Locris; ⚔ 480 B.C., Persians under Xerxes deftd. Spartans under Leonidas.

Theseus, Grk. myth., hero & k. of Athens who slew Marathonian bull & the Minotaur, carried off Ariadne, & was slain by Lycomedes.

Thesiger, *v.* Chelmsford.

Thespis, Greek tragic poet, * Icarus; flourished *ca.* 535.

Thessalonica, *v.* Salonica.

Thessaly, largest divsn. of anct. Greece, N. of Maliac Gulf & Mnt. Œta; S. part ceded by Turk. to Greece 1881. Chief ⊙, Larissa.

Thetis, Grk. myth., a sea-deity, dau. of Nereus & Doris.

Thevenot, 1] Nic. M., Fr. dipl., trav., & /, * 1621, † 29/10 92. 2] His neph., Jean, travlr. & /, * 6/6 1633; to Pers. & Ind. 64–67, † 28/11 67.

Thew, Robt., Eng. engrvr., employed by Boydell, * 1758, † 1802.

Thian-Shan, or Celestial ⛰ in Central Asia, stretching from Western Turkestan into Mongolia, 1,800 m.; highest point Tengri Chan, 16,000 to 17,000 ft.; includes volcanoes.

Thibet, Tibet, ▲ous country of Cent. Asia, N. of Himalaya ⛰, trib. to China; 651,500 s.m., *ca.* 6,000,000 inh. *Products:* gold, silver, iron, quicksilver, precious stones, rock-salt, yak, horse, Kashmir goat, sheep. Caravan trade w. China, Assam, & Kashmir. Divd. into 4 provs.: Ari, Tsang, U, & Kam. Cap. ⊙, Lhasa, in U prov.; *ca.* 30,000 inh. Religion Lamaism, a form of Buddhism; priests called *lamas*, with the Dalai (or Grand) Lama as their head & as head of State; the Teshu Lama is supreme in S. part of Thibet. Real ruler, the Chinese ambass. at Lhasa. Intercourse with Europeans forbidden. Diffs. with Ind. Govt. 88.

Thick-knee, ornith., gen. *œdicnemus*, esp. *Œ. crepitans*, Norfolk (or stone) plover; 8 other species.

Thierry, 1] J. N. Augustin, Fr. ♛ /, * 10/5 1795 Blois; memb. of Fr. Acad. 1830, † 22/5 56. / "Conq. of Eng. by Normans" 25, &c. 2] His bro., Amedée S. D., ♛, * 2/8 1797; memb. of Acad. 1881, senator 60, † 26/3 73. / "♛ of Gauls" 28, &c.

Thierry, 4 early Fr. k.s: T I., * *ca.* 486, son of Clovis; king of Austrasia, † 534.

Thiers, Louis Ad., Fr. statesm. & ♛ ✓, * 16/4 1797 Marseilles; Min. of Int. 32, 34, of Commerce & Pub. Wks. 32–34, memb. of Acad. 33, Premier & For. Min. 36, 40, 46, banished by Nap. III. 51, returned 52, Presdt of Repub. 31/8 71–24/5 73, † 3/9 77 St. Germain-en-Laye. ✓ "♛ of Fr. Rev." 23–7, &c.

Thionville, Diedenhofen, ♚ in German Lorraine, on ⚓ Mosel; 7,500 inh.

Thirlwall, Connop, † & ♛ ✓, * 11/2 1797 Stepney; educ. Charterhouse & Trin. Coll. Camb., Craven schol., senr. Chancellr's. medallist 1818, Fell. of Trin., bp. of St. David's 1840, resigned 74, † 27/7 75. ✓ transl. (w. J. Hare) of Niebuhr's "♛ of Rome," "♛ of Greece" 35–47, "Tractarian Controversy" 42, "Newman on Development" 48, "Gorham Case" 51, "Essays & Reviews" 63, "Vatican Council" 72.

Thirty Years' War, ♛, succession of wars betwn. R. Caths. & Prots. 1618–48; Austria, Spain, & most of the Rom. Cath. princes of Germ. agst. diffnt. antagonists. In 1st period Rom. Caths. were victorious; in 2nd, Prots.; in 3rd, result more equal. Ended by Treaty of Westphalia 24/10 1648, Fr. getting Alsace, Sweden part of Pomerania, &c., & the Elector Palatine the Lower Palatinate, while rights of Germ. States were estab. & indep. of Swiss Confed. was recognised.

Thisbe, class. myth., Babylon. maiden who slew herself over dead body of Pyramus.

Thisted, Valdemar, Danish † & misc. ✓, * 1815 Jutland, † 16/10 87. "Letters from Hell" 66.

Thistle, 1] ✱, gen. *carduus*, but in pop. lang. applied to many other plants, mostly composites of tribe *cynareæ*. Spear T., emblem of Scotland, *carduus lanceolatus;* Blessed T., *C. benedictus*. 2] Order of the, *v.* Orders.

Thistle-crown, gold coin issued by Jas. VI. of Scotland = 4s.: on obv. rose, rev. T., both crowned.

Thistlewood, Arthur, conspirator, * 1772; headed Cato Street plot 1820, execd. 1/5.

Thol, Heinr., Germ. ⚗, * 6/6 1807 Lübeck; prof. at Gottingen, † 16/5 84.

Tholuck, Fried. A. G., Germ. Prot. †, * 30/3 1799 Breslau; prof. of † at Halle 1827, † there 9/6 77. ✓.

Thom, Wm., poet. ✓, * 1799, † 1850. "Rhymes & Recollections of a Handloom Weaver" 41.

Thomas, 1] Annie, nov. ✓, * 1838 Aldborough; m. Rev. P. H. Cudlip 67. "Cross of Honour" 63, "No Medium" 85. 2] Chas. L. A., Fr. ♫ composer, * 5/8 1811 Metz. Operas, &c. 3] Geo. H., Amer. genl., * 31/7 1816 Southampton county, Virgin.; in Florida War 40–2, Mexican War 46–8, Seminole War 49–50, on Federal side at ✕ Murfreesboro 26/12 62, Chickamauga 19/9 63, maj.-genl., deftd. Hood 15–16/12 64, † 28/3 70 San Francisco. 4] Antoine L., Fr. misc. ✓, * 1732, † 85. 5] Geo. H., Eng. ♛ ● & engraver, * 1824, † 21/7 68. 6] Wm., †, * 1613; dean of Worcester 65, bp. of St. David's 77, † 25/6 89. ✓. 7] Elizabeth, poet. ✓, * 1675, † 1730. 8] Wm., misc. ✓, † 1553; works on Italy, &c.

Thomas à Kempis, *v.* Kempis.

Thomas Aquinas, *v.* Aquinas.

Thomas the Rhymer (Thos. Learmont of Ercildoune), Scot. poet. ✓, latter half of 13th century.

Thomasites, †, Christadelphians, who reject doctr. of Trinity & of personal devil, & hold that all who do not receive the truth & undergo baptism will perish. Organised by Dr. Thomas (* 1805 London, † 71 Worcester, Mass.).

Thomists, †, 1 of the 2 scholastic schools, founded by Thos. Aquinas on Augustinian doctrines as to free-will & grace, & on denial of immac. conception; opposed to Scotists.

Thompson, 1] Elizab., ✕ ●, * 1843; m. Col. Sir W. F. Butler 77. "Missing" 73, "Roll Call" 74. 2] Hy., ✱ & ●, * 6/8 1820

Framlingham; prof. of surg. & pathol. R.C.S. 84, Jacksonian prize 52 & 60, kntd. 67. / of ♃ works & novs. 3] Wm. Hepworth, classical scholar, * 1810; Reg. prof. of Grk. at Camb. & canon of Ely 53, master of Trin. 66, † 86. 4] Poulett, *v.* Scrope 4. 5] Thos. Perronet, Eng. polit. & genl., * 15/3 1783; M.P. for Hull & Bradford, † 6/9 1869. / "Corn-law Catechism," &c. 6] Edwd., poet. & ☉ /, * 1738, † 86. 7] J. C. & Katherine, *v.* Wharton, Grace & Philip.

Thoms, Wm. John, Ψ, * 16/11 1803; sec. to Camden Soc. 38–73, dept. librarian of Ho. of Lords 45–82, fnded. *Notes & Queries* 49, edited it till 73, † 15/8 85. "Lays & Legends of Various Nations" 34, "Book of the Court" 38, "Longevity of Man" 73.

Thomson, 1] Allen, anat. & embryol., * 1809; prof. of anat. at Aberdeen 39, Edinb. 42, Glasgow 48, presdt. of Brit. Assoc. 77, † 84. / "Outlines of Physiol." 47, &c. 2] Chas. Wyville, naturalist, * 5/3 1830 Linlithgowshire; in dredging expeditions of *Lightning* & *Porcupine* 68 & 69, F.R.S. 69, prof. of natural ☿ Edinb. 70–81, scientific chief of *Challenger* exped. 72, kntd., † 10/3 82. / "Depths of Sea" 69, "Voyage of *Challenger*" (1st part) 76–8. 3] Jas., poet. /, * 1834 Port Glasgow, † 3/6 82 London. "City of Dreadful Night" 74, "Voice from Nile" 81, "Insomnia" 82. 4] Jas., poetical /, * 11/9 1700 Ednam, Roxburghshire; educd. Edinb. Univ., to Lond. 25, surveyor-genl. of Leeward Islands, † 27/8 48 nr. Richmond. "Winter" 26, "Summer" & "Britannia" 27, "Spring" 28, *Sophonisba* 29, "Autumn" 30, "Liberty" 34, *Agamemnon* 38, *Edward & Eleonora* 39, *Alfred* (contains "Rule Britannia") 40, *Tancred & Sigismunda* 45, "Castle of Indolence" 48, *Coriolanus* 49. 5] Ronald Ferguson, diplom., * *ca.* 1829; orient. sec. of leg. at Teheran 62–8, Min. to Pers., kntd. 88, † 15/11 88. 6] Wm., nat. ♃, * 25/6 1824 Belfast; prof. of natl. ♃ Glasgow 46, kntd. 66, presdt. Brit. Assoc. 71, invtd. quadrant portable & absolute electrometers, a mariner's compass, & soundg. machine; discvd. theory of dissipation of energy. /. 7] Wm., † & ♃ /, * 11/2 1819 Whitehaven; bp. of Glo'ster & Bristol 61, archbp. of York 62. "Laws of Thought" 48, "Limits of ♃ Enquiry" 68, &c.

Thor, Scand. myth., god of thunder, son of Odin & Freya.

Thoracic Duct, anat., long narrow vessel in front of vertebræ; chief trunk of lymphatic system; conveys chyle & lymph to blood.

Thorax, *v.* Chest.

Thorburn, Robt., miniat. ☻, * 1818 Dumfries; A.R.A. 48, won 1st gold medal at Paris Exhibition 55, † 3/11 85.

Thoreau, Hy. Dav., Amer. essay /, * 1817 Concord; contributed to *Dial* 40–44, built himself hut 45 & lived in solitude, took part in Abolition agitation, † 62. "Walden, or Life in the Woods" 54, "Plea for Capt. John Brown" 59, &c.

Thoresby, Ralph, Eng. Ψ, * 16/8 1658, † 1725. / "Topog. of Leeds."

Thorgrim, Apollo of Scand. myth.

Thorlaksen, Gudbrand, Iceland. †, * 1542; bp. of Holum, † 1629.

Thorlaksson, John, Icel. poet & transl. of Milton, * 1744, † 1819.

Thorn, Wm., Eng. ☿ /, *ca.* 1380.

Thorn, ✱, *v.* Hawthorn, & Spine.

Thorn Apple, ✱, *datura stramonium;* weed, not native to Brit., cultivated for ♃ properties.

Thornback, ichth., *raja clavata;* occurs all round British coasts.

Thornbury, G. Walt., Ψ & misc. /, * 1828, † 11/6 76. "Life of Turner" 61, "Old & New London" (1st 2 vols.) 73–74, "Wild Fire" 74, &c.

Thornhill, Jas., ☿ ☻, * 1676 Weymouth; decorated hall of Greenwich Hospital & dome of St. Paul's, kntd. by Geo. I., † 4/5 1734.

Thornton, 1] Edwd., diplom.,

* 1817; envoy to Brazil 65–7, to U.S.A. 67–81, amb. to Russ 81–4, to Turk. 84–6, K.C.B 70, G.C.B. 83 2] Bonnell, poet & misc. ✓, * 1724, † 68 3] Wm Thomas, polit. econ, * 1813, † 80 ✓ "Over-Population & its Remedy" 45, &c

Thornycroft, 1] Mary (*nee* Francis), ♀, * 1814 Thornham; m Mr. Thornycroft, ♀, pupil of her fath, 1840. 2] Hamo, ♀, s. of 1, * 9/3 1850 London; biennial gold medal of R.A 75, A.R.A 81, R A. 88.

Thorold, Anth W., †, * 13/6 1825 Hougham, canon of York 74, bishop of Rochester 77.

Thorough Bass, Figured Bass, ♫, B. part w. figures beneath to indicate chords to be played w each note In modern scores chords are written in full

Thorpe, 1] Thos, Lancastrian partisan & ✍; exec. 1641. 2] Thos Baugs, Amer. miscell. ✓, * 1815. "Voice to America" 55.

Thorwaldsen, Albert Bertel, Dan. ♀, * at sea betw. Iceland & Denmark 19/11 1770; at Rome 97–1819, † 24/3 44 Copenhagen. "Jason," "Entry of Alexander into Babylon," "Christ," &c

Thoth, Egypt. myth. = Greek Hermes; invent. of arts & sciences: with head of ibis on human body.

Thou, Jacques A. de, Fr. ♛ ✓, * 1553 Paris, † 7/5 1617. ✓ of a ♛ of his own times.

Thouars, Louis M. du P., Fr ⚓ in Mauritius & Madagascar, * 1756, † 1831.

Thrace, anct. name of country of E. Eur., nearly ident with mod. Turk. prov. of Roumelia; seat of a powerful kingdom 5th cent. B.C., w. Byzantium (Constantinople) for cap. ⊙; conqd by Philip II. of Macedon, by Romans 2nd century B.C., by Turks 14th cent

Thrale, Mrs., *v.* Piozzi, Hester Lynch.

Thrasybulus, 1] Athen. democrat, 5th cent. B.C. 2] Athen. genl., † 389 B.C.

Threadworm, zool, popular name for any specs. of *nematoidea*, esp. *oxyurus vermicularis*, small T., which infests man internally.

Three Estates, Lds. Spiritual, Lords Temporal, & Commons.

Three F's, Free Sale, Fixity of Tenure, & Fair Rent, of Land, conceded by Land Act of 1881

Three Hours' Agony, †, devotion practised on Good Friday, fr noon till 3 o'clock, to commem. the Passion; originated w. Father Messia, Jesuit, of Lima, *ca.* 1730, reached Rome 38, introd. into Eng Ch *ca.* 65, legalised 72.

Thresher, *v* Fox-shark.

Threshers, Irish R. Cath. anti-tithe organisation, founded 1806; notices signed "Capt. Thresher."

Thrift, ✿, sea-pink; genus *armeria*, esp. *A vulgaris* or *maritima*, wild on coasts & ▲s. *A. plantaginea* occurs only in Jersey

Thring, Edwd., schoolmaster & †, * 29/11 1821 Alford; head-mastr. of Uppingham 53, † 22/10 87. ✓.

Thrips, entom., gen. of *physopoda terebrantia*, small insects wh. leap by means of abdomen. *T. cerealium* infests wheat.

Thrush, 1] ornith., pop. name for any of the *turdidæ*; univly. distrib., except in New Zealand. Song T, Throstle, or Mavis, *turdus musicus*; Missel T., *T. viscivorus*; White's T., *T. varius*. 2] ✿, White-mouth; var. of stomatitis caused by parasitic fungus, *oidium albicans*. 3] Veter. ✿, inflammat. suppurating affectn. of foot; esp. in horses' frog

Thrym, Scand. myth., giant who fell in love w. Freya, & stole Thor's hammer.

Thucydides, chf. Grk. ♛ ✓, * 471 B.C. Athens; banished 423, assassinated 400. ✓ of ♛ of Peloponnesian War.

Thugs, fraternity in N. Ind. who regarded murder as sole means of appeasing goddess Kali; generally travelled in gangs, & plundered as well as murd. their victims. Now virtually extinct.

Thule, anct. ⊕, most northern country known to ancts.; variously identified w. Shetland, Iceland, & Norway.

Thumann, Paul, Germ. ●, * 3/10 1834 Tschacksdorf; prof. at Berlin 75.

Thunder, report wh. follows lightning. Prolongatn. of the sound not understood.

Thunderbolt, term arising fr. superstition that thunder emits destructive bolt. Lightning sometimes causes in the earth a vitrified tube (fulgurite), but this is created on spot where found.

Thundering Legion, 1] Rom. L. wh. in 174, fightg. und. M. Antoninus agst. the Marcomanni, was shut up in a defile & about to perish from thirst when a thunderstorm delivered it. 2] L. of Christian soldiers raised in Thebais & led by St. Maurice.

Thundertentronckh, Arminius v., pseud. of Matt. Arnold.

Thurgau, N.E. Swiss canton, betwn. Zurich canton & Lake Constance; 382 s.m., 100,000 inh.; namd. fr. ⅄ Thur. Chf. ⊙, Frauenfeld.

Thurible, †, vessel for burning incense.

Thuringia (Germ. Thüringen), part of Germ. Empire traversd. fr. N.W. to S.E. by Thüringerwald ▲. Thuringian States include grand duchy of Saxe-Weimar, duchies of Saxe-Meiningen, Saxe-Coburg-Gotha, Saxe-Altenburg, principalities of Schwarzburg & Reuss.

Thurloe, John, Eng. statesm., * 1616; Sec. of Counc. of State 52, to Cromwell 53, † 21/2 68 Great Milton; formd. collectn. of State papers, fnd. after his death in false ceiling in Lincoln's Inn, & publd. 1742.

Thurlow, Edwd., bar., ⅊, * 1732 Little Ashfield, Suffolk; Solic.-Genl. 70, Att.-Genl. 71, Ld. Chanc. 78–83, 83–92, † 12/9 1806 Brighton.

Thylacine, zool., *thylacinus cynocephalus,* largest living predaceous marsupial; New Zealand.

Thyme, ⅊, genus *thymus;* 40 specs.; 1 Brit., *T. serpyllum,* wild T., of wh. lemon-scented T. (*T. citriodorus*) is a var. Garden T., *T. vulgaris,* wh. ylds. T.-oil when distld. with water. Its ⅊ principle is thymol, an antiseptic.

Thymelaceæ, ⅊, daphnads; ord. of plants w. only 1 Brit. gen., *daphne;* 88 genera, 300 species.

Tiara, 1] crown of anct. Persian kings, worn erect, while those of nobles & priests were turned down. 2] Triple crown worn by Pope; high cloth-of-gold cap, encircled by 3 coronets on top of one another, surmounted by mound & gold cross: symb. of Papal power on earth, in purgatory, & in heaven.

Tibaldeo, *v.* Tebaldeo.

Tiber, chief ⅄ of Central Italy; rises in Apennines, falls into Medit. 15 miles below Rome; 210 m.

Tiberias, anct. ⊕, ⊙ of Galilee, on Sea of G.; ✕ 1187.

Tiberius (T. Claudius Nero), 2nd Emp. of Rome, * 42 B.C.; succ. his father-in-law, Augustus, 14, strangled 16/3 37 Misenum. 2] Constantine, Rom. Emp. of East; succ. Justinian 578, † 14/8 582. 3] Absimarus, Rom. Emp. of East in 698; put to death by Justinian II. 705.

Tibia, 1] anat., shin-bone. 2] ♪, pipe in use among Greeks & Romans; two often blown together by same performer.

Tibullus, Albius, Rom. poet. ✓, friend of Horace, * *ca.* 43 B.C., † *ca.* 18. "Elegies" & Panegyric on M. Valerius Messala Corvinus.

Tibur, *v.* Tivoli.

Tic Doloreux, *v.* Neuralgia.

Ticino (Tessin), most southerly Swiss canton, betw. Valais & Grisons; 1,095 s.m., 130,000 inh. ⅄ous; inclds. Lake of Lugano & pt. of Lake Maggiore; chf. ⊙s, Bellinzona, Locarno, Lugano, where Grand Council sits in rotation.

Tick, pop. name for fam. *ixodidæ;* feed on blood, & on juices & plants; sometimes attack man.

Tickell, 1] Thos., poet. & essay ✓, * 1686 Bridekirk, Cumberland;

sec to Ld. Justices of Ireland 1725, † 25/4 40 "Prospect of Peace," "Elegy on Addison," "Colin & Lucy," &c 2] His grands., Richd, poet. ✓; flourished *ca.* 1790. Contributor to "Rolliad."

Ticknor, Geo, Amer. misc. ✓, * 1/8 1791 Boston; prof. of mod. langs. at Harvard 19–34, † 26/1 71. "♛ of Span. ✓" 49, "Life of Prescott" 64, &c

Tidemand, Adolphus, Norweg ⊕, * 1816 Mandal, † 25/8 76.

Tides, altern rise & fall of water in ocean, high T.s follow each other at intervals of 12 hrs. 25 mins., low T s the same. Chief cause, attraction of moon. When sun & moon are attracting in same direction, it is *Spring* (highest) *T.*; when in different directions, *Neap* (lowest) *T.*; these occur twice a month.

Tie, Bind, ♩, curved line over 2 or more notes in same position on stave, to be sustained as one.

Tieck, 1] Johann L., Germ. poet & nov. ✓, * 31/5 1773 Berlin; direct. of Dresden Theatre 1819–40, completed Schlegel's transl. of Shakespeare, † 28/4 53. 2] Christ Fried., ⊕, * 14/8 1776 Berlin, † there 14/5 1851.

Tiedemann, Dietrich, Germ. ⚕ & critic. ✓, * 3/4 1748; prof. of anct. ✓ at Cassel & Marburg, opponent of Kant, † 24/9 1803.

Tiedge, Christ. Aug., Germ. poet. ✓, * 14/12 1752 Gardelegen, † 8/3 1841 Dresden.

Tien-Tsin, ⊙ of China, on Peiho ⚓; 1,000,000 inh. By Treaty of T.-T. 1858 this, w. other ports, was thrown open.

Tierney, Geo., statesm., * 20/5 1761 Gibraltar; M.P. 96, duel with Pitt on Putney Heath 27/5 98, Treasurer of Navy 1801–04, Irish Sec., presdt of Bd of Control, ldr. of Opposition in Ho. of Coms. 17, Master of Mint 27, † 26/1 30. ✓ "Real Situation of E. Ind. Co." 1787.

Tierra del Fuego (Land of Fire), ▲ous isld. at extreme S. of S. Amer, sep. from mainland by Strait of Magellan; gives name to several other islds.; total area *ca.* 20,000 s.m., *ca.* 2,000 inh

Tiers Etat, Fr ♛, Third Estate, i e, the people, distinct fr. nobility & clergy.

Tietjens, *v.* Titiens.

Tiflis, chf. ⊙ of Caucasia, cap of govt of T., on ⚓ Kur; ♚; 110,000 inh, trade with Persia & European Russia; baths.

Tiger, zool., *felis tigris*, largest & most destructive of *felidæ*; confined to Asia.

Tiger Cat, zool, pop. name for any of the smaller felines.

Tiger Flower, ❀, gen *tigridia*, w. orange, yellow, richly-spotted flowers, chiefly Mexican.

Tiger Lily, ❀, *lilium tigrinum*, native of China, where, & in Japan, bulbs are eaten

Tiger Shark, ichth, *stegostoma tigrinum*; resembling T. in colour & markings, Indian Ocean.

Tigris, or Schat, ⚓ of W. Asia, chf confluent of Euphrates, wh. it joins at Korna, 1,150 m from source, in Armenia.

Tilden, Saml Jones, American journ. ✓ & statesman, * 1814 New York; chairm. of Democrat State Conventn. 66, exposed "Tammany Ring" 71, govr. of N. York 74, overthrew "Canal Ring," defeated for presidency by 1 vote 76, † 4/8 86.

Tilestones, 1] ⚒, beds forming highest part of Upper Silurian. 2] Slates wh. cleave along planes of bedding; form roofing slates.

Tiliaceæ, ❀, lindenblooms; ord of trees, shrubs, rarely herbs, chiefly trop.; 35 gen., 350 specs.; includes lime-tree.

Till, ⚒, stiff, stony, unstratified clay, produced by bottom moraine of an ice-sheet.

Tillemont, Louis S. le Nain de, Fr ♛ & critic ✓, * 30/11 1637, † 10/1 98 "♛ of Rom. Emperors," "Eccles. ♛ of 1st 6 Cents.," &c

Tillock, Alex., Scot. ⊕ & ⚕ ✓, * 1759; invtd. printing fr. stereotyped plates 81, † 26/1 1825.

Tillotson, *John*, †, * 1630 Sowerby; chapl. to Chas. II. & prebendary of Canterbury 69, of St. Paul's 70, canon of St. Paul's 77, dean 89, & archbp. of Canterbury 91, † 18/11 94. / "Sermons."

Tilsit, ⊙ of E. Russ.; 22,000 inh. Treaty of T. 7–9/7 1807 between Napol. I., Emp. of Russia, & k. of Prussia, who met on raft moored in ⚓ Memelstrom.

Timæus, Greek ♛ / of Sicily, * 352 B.C., † 256.

Timbre, ♫, quality of tone, irrespective of pitch or intensity.

Timbrel, *v.* Tambourine.

Timbs, John, Ψ, * 17/7 1801 London; edtr. of *Mirror* 27–38, of *Illust. Lond. News* 42–58, † 4/8 75. / "London Clubs," "Romance of London," &c.

Timbuktu, Timbuctoo, cap. ⊙ of Massena, N. Africa; 13,000 inh.; a centre of caravan traffic.

Time, duratn., as measured by motn. of heavenly bods. *Mean Solar T.* is measd. by motn. of imag. mean sun, supposed to move in plane of equator. ✱ T. is measured thro' 24 hrs., interval betw. 2 successive transits of mean sun across meridian, *i.e.*, fr. noon to noon. *Civil T.* begins at midnight, & is recknd. for 12 hrs. up to noon, then for another 12 hrs. to midnight. *Mean T.* is taken fr. merid. passing thro' principal town or observatory, as Greenwich in Eng., Paris in Fr. *Sidereal Year* = 365d. 6h. 9m. 9·6s., interval between 2 successive conjunctions of sun with same fixed star.

Times, The, London daily paper, estabd. 1785 by John Walter, as "Universal Register;" first apprd. as T. 1/1 88. Editors: Dr. Stoddart 1812–17, Thos. Barnes 17–41, J. T. Delane, 41–77. Thos. Chenery 77–84, G. E. Buckle 84.

Timoleon of Corinth, Grk. ⚔, * 415 B.C.; delivrd. Syracuse from Dionysius, defeated Hasdrubal & Hamilcar, † 337.

Timon, 1] Grk. ⚓ & poet. / at Athens *ca.* 280 B.C. 2] T. the Misanthrope, *ca.* 400 B.C.

Timor, largest of Lesser Sunda Islands, betwn. Celebes & N. Australia; *ca.* 9,000 s.m., 500,000 inh.; surrounded by coral-reefs. Divd. between Portugal & Holland.

Timotheus, Greek poet. / at Miletus, * 446 B.C., † 357.

Timothy Grass, Cat's Tail G., ✱, *phleum pratense.*

Timûr, or Timûr-lenk (Tamerlane) = Timûr the Lame, Mongol conqror., * 1335 Samarkand; descdt. of Jenghiz Khan; succ. as chief of Berlas Turks 61; conqd. Turkestan, Persia, Syria; founded Mogul dyn. in India, † 19/2 1405 Otrar.

Tin, Stannum, ♘, tetrad metall. element, found as oxide in T.-stone (cassiterite) in Cornwall, Saxony, Bohemia, Malacca; symb., Sn; at. wt. 118, sp. gr. 7·28. Brittle at 200°, fuses at 228°. Enters into gun-metal, bell-metal, solder, pewter, Britannia metal, bronze, & other alloys. Forms 2 series of compounds: *stannous* & *stannic*, former containing twice as much T. as latter. *T. dioxide* combines w. metallic oxides to form salts, *stannates*, incldg. stannate of sodium, used in calico-printing. Known to ancts. as *cassiteros*, & obtnd. by Phœnicians from the Cassiterides, probably Scilly Isles.

Tin-plate, thin sheet-iron covd. with thin coat of metallic tin.

Tinctures, ✱, alcoholic solutns. of some anim. or veget. principle.

Tindal, 1] Matth., deist, * *ca.* 1657 Beer-Ferris, Devon; LL.D. 85, † 16/8 1733. / "Rights of Christ. Ch. Asserted" 06, "Christianity as Old as Creation" 30, replied to by Butler in the "Analogy." 2] His neph., Nicholas, † & ♛ /, * 1687, † 27/6 1774. "♛ of Essex," &c.

Tinea, ✱, *v.* Ringworm.

Tinewald, anct. parlt. of Isle of Man, still existg.

Tingi, ✱, Brazilian name for *magonia glabrata* & *M. pubescens*, trees of order *sapindaceæ.*

Tinnevelli, district of Madras, Brit. Ind.; 5,176 s.m., 1,700,000 inh. Chf. ⊙, T.; 28,000 inh.; bishopric.

Tinnitus Aurium, ♯, ringing in ears; due to various causes.

Tintagel, parish of N. Cornwall; reputed birthplace of King Arthur.

Tintoretto (Jacopo Robusti; called "Il T." = Little Dyer), Ital. ●, * 1512 Venice, † there 31/5 94.

Tiphys, Greek myth., pilot of Argonauts; hence any pilot.

Tipperah, distr. of Dacca, Brit. India; 2,460 s.m., 1,450,000 inh. Chief ⊙, Comillah; 13,000 inh.

Tipperary, Irish co., Munster prov.; 1,659 s.m., 200,000 inh. Chf. ⊙s, Clonmel & Nenagh. ✓. Rets. 4 M.P.s: N., Mid., S., & E. divsns.

Tippu Sahib, sultan of Mysore, * 1749; s. of Hyder Ali; succ. 82, fought w. Fr. against Eng., concld. Treaty of Bangalore 84, war renewed 99, killed at ⚔ Seringapatam 4/5 99.

Tiraboschi, Girolamo, Ital. ♛ / & schol., * 18/12 1731, † 3/6 1794. "♛ of Italian /."

Tirailleurs, ⚔, French = skirmishers, sharpshooters.

Tirard, M. I., Fr. polit., * 1827 Geneva; Min. of Agric. 79, Prem. & Fin. Min. 87–88.

Tiree, island of Inner Hebrides, 12 × 6 miles; 2,800 inh.

Tiresias, Grk. myth., soothsayer at Thebes, struck blind for accidentally looking at Athena bathing: repentg. of the judgment, she gave him power of prophecy.

Tirhut, formerly distr. of Brit. Ind., now divd. into 2 districts of Darbhangah & Muzaffarpur; 6,343 s.m., 4,400,000 inh. Chf. ⊙s, D., 50,000 inh.; & M., 40,000 inh.

Tirnova, anctly. chf. ⊙ of Bulgaria, on Jantra; 15,000 inh.

Tirso de Molina, *v.* Tellez, Gabriela.

Tiryns, anct. ⬭, ⊙ of Argolis, Greece, famed for cyclopean ▲. Gallery of T., mentioned by Homer, still exists.

Tischendorf, Lobegott F. C. v., Germ. Bibl. schol., * 18/1 1815 Lengenfeld; prof. of † Leipzig, discvrd. "Codex Sinaiticus" on Mnt. Sinai 59, † 7/12 74. / editn. of Septuagint 40, of New Testament 54.

Tisri, in Jewish calendar, 1st month of civ., 7th of †, year = part of September & October.

Tissot, 1] Pierre F., Fr. ♛ & critic. /, * 10/3 1768, † 7/4 1854. ♛s of the Revolution, &c. 2] Simon A., Swiss ♯, * 1728, † 97. /.

Tissue, ♯ & physiol., fabric forming bodies of higher animals & plants. In *plants* there are 2 forms of T., (1) *parenchymatous*, w. cells nearly as broad as long; (2) *prosenchymatous*, w. cells much longer than broad. When several diff. T.s occur in one plant, as in all higher plants, they are divided into systems: (1) *epidermal*, coverg. exterior of plant, usually single layer of cells; (2) *fibro-vascular*, traversing body of plant in form of bundles, & characterised by tubes, vessels, & long pointed prosenchymatous cells (the wood fibres); (3) *fundamental*, filling up rest of space, chiefly parenchymatous. *Animal T.s* much more elaborate & differentiated. Some are *cellular*, as fat, cartilage, glands, involunt. muscle, skin, nervous ganglia, & hard substance of bones, teeth, & shell; others *fibrous*, as areolar T., ligaments, tendons, voluntary muscle, & nerve fibres. In lowest animals T. is uniformly cellular.

Tisza, 1] Koloman v., Hungarian statesm., * 16/12 1830 Geszt; Min. of Inter. & Prem. 75.
2] His bro., Ludwig, * 1833 Geszt; Min. of Pub. Works 75.

Titania, name for (1) Latona, (2) Pyrrha, (3) Diana, (4) Circe. Used by Shakespeare for fairy queen, wife of Oberon.

Titanium, ♯, rare metallic element, discovd. by Gregor 1789; symb., Ti; atom. wt. 50; occurs w. oxygen in the ◍s rutile, anatase, & brookite.

Titans, class. myth., 1] race of giants, sons of Heaven & Earth; war-

ring against Zeus they were hurled into cavity below Tartarus. 2] Descendants of 1, *e.g.*, Prometheus.

Titcomb, Jonathan Holt, †, * 1819 London; canon of Winchester 76–7, bp. of Rangoon 77–82, † 87.

Tite, Wm., ♙, * 1802; blt. Royal Exchange 40–44, M.P. for Bath 55–73, knighted 69, † 20/4 73.

Tithes, Tenths, $\frac{1}{10}$th of annual produce of industry or wealth, for support of divine worship. When 1st introd. into Christ. Ch. (prob. in imitation of Jewish system), they were voluntary; 1st made obligat. by Emp. Charlemagne towds. close of 8th cent., in Eng. *ca.* 794 by Offa, k. of Mercia. Law of T. for whole realm was passed by Parlt. at Winchester 855; re-enacted by Wm. the Conq. T.s are either *prædial*, from land; *mixed*, from cattle; or *personal*, fr. other sources. Divided also into *great* & *small*: former of corn & grain, hay & wood, belonging to rector; latter of prædial T. of other kinds, w. mixed & personal T., belonging to vicar. By T. Commutation Act, 1836 (sevl. times amended), most T.s have been commuted into rent-charges, payable in money, & fixed by average price of corn for 7 previous years.

Tithing, anct. divsn. of a shire, orig. inhab. by 10 householders, who were sureties for each other's behaviour. Still exists as a division in many English counties.

Tithonus, Grk. myth., handsome Trojan beloved by Aurora, who when he grew weary of life changed him into grasshopper.

Titi (or Tito), Santi di, Florentine ● & ♙, * 1538, † 1603.

Titian, Tiziano Vecelli, Ital. alleg. & myth. ●, * 1477 Capo di Cadore; pupil of Zuccati & the Bellinis, † of plague 22/8 1576 Venice. 600 works.

Titiens (or Tietjens), Theresa, ♀ soprano singer, * 1834 Hamburg; made *début* there 49, in London 58, to U.S.A. 75, † 3/11 77.

Titlark, *v.* Anthus.

Titmarsh, Michael Angelo, pseud. of W. M. Thackeray.

Titmouse, ornith., pop. name for sub-fam. *parinæ*; 7 Brit. specs., incldg. great T., *parus major*; blue T., *P. cœruleus*; coal T., *P. ater*; & marsh T., *P. palustris*.

Titus, T. Fl. S. Vespasianus, Rom. Emp., s. of Vespasian, * 30/12 40; subdued Judæa & destroyed Jerusalem 70, succ. 79, † 13/9 81.

Tityus, class. myth., giant whose body covrd. 9 acres; punished by having 2 vultures perpetually preying on his liver.

Tiverton, ⊙ of Devon; 11,000 inh.; lace-making; div. rets. 1 M.P.

Tivoli, ⊙ of Central Italy, on ⚓ Teverone; 8,000 inh. Anctly. Tibur.

Toad, *v.* Batrachia.

Toad-flax, ✿, gen. *linaria*, esp. *L. vulgaris*, yellow T.-flax.

Toadstool, ✿, any uneatable large fungus.

Tobacco, dried leaves of plants of gen. *nicotiana*, native of trop. Amer. & E. Asia. Amer. T. is fr. *N. tabacum* & its varieties, cultd. in Virginia & other States of U.S.A., whence it has been introd. to Eur., China, &c. *N. repanda*, native of Cuba, makes best cigars; *N. rustica*, Syrian or Eng. T., nat. of all the continents, yields Turkish T.; *N. persica*, Persian or Shiraz T. Cultiv. of T.-plant for commercial purposes revived in Gt. Britain 1886, but has not been developed owing to heavy duty. Fine Havannah T. contains less than 2°/₀ of nicotine; some other varieties, 9°/₀. Use of T. in Amer. is of unknown orig. Introd. to Eur. by Hermandez de Toledo 1559; to Eng. by Sir J. Hawkins 65; came into genl. use here 73.

Tobago, Brit. isld. of Windward group, W. Indies; 120 s.m., 19,000 inh.; cap. ⊙, Scarborough; expts. sugar, rum, molasses. Discovd. by Columbus 1498, & named fr. pipes in which natives smoked tobacco.

Tobin, John, ♀ ✓, * 1770, † 1804. *Honeymoon*, &c.

Tobit, †, apocryphal book, written ca. 350 B.C., describing life of T., Hebr. captive at Nineveh.

Toboggan, Canadian sled for sliding down snow-covered slopes

Tobolsk, cap. ⊙ of governmt of T., Siberia, on ⚓ Irtish; 20,000 inh.

Tocqueville, Alexis C.H Clerel de, Fr. polit. & ⚖ /, * 29/7 1805 Verneuil; to U.S.A. to exam penitentiary system 31, memb of Nat Ass 48, For. Min 49, imprisd. at *coup d'etat* 51, † 16/4 59 Cannes. "De la Democratie en Amerique" 35–40.

Todd, 1] Robert Bentley, Irish physiol., * 1810; edited (w Grant) "Cyclop. of Anat & Physiol" 36–59, prof. of physiol. King's Coll. 37, indep. St. John's Traing Inst for Nurses 47, † 30/1 60 / "Gout" 43, "Brain" 45. 2] Hugh, Eng. Ψ & †, * 1658 Cumberld, † 1726. 3] Hy Jno, † & misc. /, * 1768, archdeacon of Cleveland, † 1845, edited Johnson's Dictionary.

Todhunter, Isaac, math /, * 1820, sen. wranglr. & Smith's prizeman 48, † 1/3 84. "Researches on Calculus of Variations," 71, &c

Todleben, Franz E, count, Russ ⚔ ⊕, * 8/5 1818 Courland; of German descent; defend. Sebastopol 54–55, captd Plevna aft Krudener's failure 9/12 77, com-in-chf. for rest of war 78, crtd. count, govr of Odessa 78–80, † 2/7 84. / "War in Crimea

Togoland, German colony on Slave Coast, Guinea; 100 s m, 100,000 inh.

Tokat, ⊙ of Asiat Turkey, Sivas pashalic; 36,000 inh.

Tokay, Hung. ⊙, on spur of Hegyallya; 5,000 inh.; rich aromat wine from white grapes

Tokens, 1] money coined by sufferance, not by authority; struck by corporatns., &c., & current until last cent 2] Coins of less than nominal value, as pennies, ½pennies, farthings, & in less degree silver.

Tokio, formerly Yeddo, cap. ⊙ of Japan; ⚓; 915,000 inh.

Toland, John, deistic & polit /, * 13/11 1670 Londonderry, † 11/3 1722. "Christianity not Mysterious" 1696 (burnt by hangman at Dublin 11/9 97), "L. of Milton" 99.

Toldy, Franz, Hung. crit. & ♛ /, * 10/8 1805, † 10/12 75.

Toledo, 1] a cent. prov. of Spain; 5,620 s m, 340,000 inh Chf. ⊙, T, on ⚓ Tagus; 22,000 inh.; once cap of Sp, still the ecclesiast cap.; 15th cent. cathed.; mnf. of sword-blades now declined. 2] ⊙ of Ohio, U S A, on ⚓ Maumee; 50,000 inh.; large export trade.

Toledo, 1] Francisco de, Span. ⚖ & Jesuit card, * 10/11 1532, prof. of ⚖ at Salamanca, † 14/9 96. 2] Pedro de, marq. of Villafranca, Span ⚔ & statesm., * 1484; viceroy of Naples 1532, † 53.

Toleration Act, ⚖, 1 Wm. & Mary, c.18, passed 1689, giving freedom of worship to Prot. dissenters who declared agst. transubstantiation & took oaths of allegiance & supremacy. Clause excepting Unitarians repealed 1813

Tollbooth, old Scot. name for burgh gaol.

Tollens, Hendrik C, Dutch poet /, * 24/9 1780 Rotterdam, † 21/10 1856 Ryswyk.

Tolstoi, 1] Alexis C., count, Russ ⊕ & poet. /, * 1818 St. Petersburg; fought in Crimean War 53–56, † 11/10 75. "Sinner," "Prince Serebrennyi," *Death of Ivan the Terrible, Czar Boris,* &c. 2] Leo Nik, count, Russ nov. / & social reformer, * 28/8 1828 Toula; servd. in Crimean War 53–56. "Cossacks," "Childhood & Youth," "Sebastopol," "War & Peace" 60, "Anna Karenina" 75–77, "My Religion," &c.

Tolu, ☘, *v.* Balsam.

Tomato, Love Apple, ☘, *lycopersicum esculentum,* native of America.

Tomline (Pretyman), Geo. P., †, * 9/10 1750; dean of St. Paul's & bp. of Lincoln 87, bp. of Winchester 1820, † 8/11 27. / "Memoirs of Pitt" 21, &c.

Tommaseo, Niccolo, Ital. /, * 1802 Sebenico, † 1/5 74 Florence.

Tommasi, Giuseppe M., Ital. †, * 12/9 1649; card. 1712, † 1/1 13. ✓.

Tomsk, chf. ⊙ of govt. of T., W. Siberia, on ⚓ Tom; 35,000 inh.

Ton, avoirdup. weight = 20 cwt.

Tone, ♪, difference in pitch between 1st & 2nd, 2nd & 3rd, 4th & 5th, 5th & 6th, 6th & 7th notes of diatonic scale—diffnce. betw. 3rd & 4th, 7th & 8th notes only semi-tone.

Tone, Theob. Wolf, Irish patr., * 20/6 1763 Dublin; fnded. Soc. of United Irishmen 91, in Bantry Bay exped., captd. 12/10 98, sentcd. to death, † by suic. 19/11 98.

Tongas, *v.* Friendly Islands.

Tongue, anat., chief organ of taste; mass of muscular fibre, joined at hinder end to the hyoid bone (U-shaped bone attached to skull by ligaments); covered with mucous membrane, consisting of (1) deep sensitive layer, furnished with blood-vessels & nerves, & (2) surface or epithelial layer. (1) is raised into *papillæ,* containing nerves of taste.

Tonic Sol-fa, *v.* Solfeggio.

Tonka (Tonga, or Tonquin) **Bean,** ♨, seed of *dipteryx odorata,* leguminous tree, nat. of Guiana; used in perfumery.

Tonnage, or Burden, ⚓, formrly. the weight in tons which a ship could carry; now, gauge of ship's dimensions. Its cubical contents are ascertained, & every 40 cub. ft. are reckoned as = 1 ton.

Tonnage and Poundage, *v.* Tunnage & Poundage.

Tonquin, Tonking, Fr. possess. in E. Asia, ceded by Annam 1884; 35,000 s.m., 9,000,000 inh.; rice, fruit, spices, ♨s. Cap. ⊙, Hanoi.

Tonsils, anat., 2 glands, 1 on ea. side of palate, betw. its pillars.

Tonson, Jacob, London publshr. * 1656, † 18/3 1736.

Tonstall (Tunstall), Cuthbert, † & statesm., * 1474; Master of Rolls 1516–22, dean of Salisbury 21, bp. of London 22, amb. to Fr. 28, bp. of Durham 30, deprived 59, † 18/11 59 Lambeth Palace.

Tonsure (Lat. *tonsura* = shearing), †, shaving of crown in circle, as preliminary to embracg. clerical state, secular or relig. (monastic).

Tontine, form of annuity devised by Lorenzo Tonti in 1653, by wh., when one annuitant dies, his share goes to common fund for benefit of survivors.

Tooke, 1] John Horne (Horne), polit. & philol., * 25/6 1736 London; eductd. Eton & Camb., took orders 60, fined & imprisd. for espousing cause of Amer. colonies 77, acquitted of treason 84, † 19/3 1812 Wimbledon. ✓ "Diversions of Purley" 1786–1805. 2] Wm., † & ♛ ✓, * 18/1 1744, † 17/11 1820. "♛ of Russ." &c. 3] His son, Thos., ♛, * 1774, † 1858. ✓ "♛ of Prices."

Toole, John L., com. ◐, * 12/3 1832 London; 1st appearance 22/7 52 Haymarket, to Amer. 74, lessee of T.'s Theatre 80.

Toon, Toona, ♨, *cedrela toona,* large timber-tree, India. ♨, bark astringent.

Top, ⚓, platform round head of lower mast, sustained by trestle-trees & cross-trees.

Topaz, ◆ wh. crystals. in orthorhombic syst.; highly perfect basal cleavage; colour generally yellow, sometimes pink, blue, & colrless.; subconchoidal fracture; composition: silicon 15·17, aluminium 29·58, oxygen 34·67, fluorine 20·58 = 100; fnd. also in granular state. *Oriental T.,* transparent yellow var. of adamantine spar; *false T.,* transparent yellow variety of quartz.

Tope, 1] ichth., pop. name for several species of small sharks, gen. *galeus.* Common T., *G. canis.* 2] Buddhist temple.

Topete, Juan B., Span. adm. & polit., * 24/5 1821 Tlacotalpa, Yucatan; co-operated with Prim against Isabella 68, Mar. Min. 72, 74, Colon. Min. 71–2, retired 76, † 85.

Töpffer, Rud., ✍ & nov. ✓, * 17/2 1799 Geneva, † 8/6 1846.

Top-gallant, ⚓, mast, rigging, & sail next above topmast.

Tophet, anct. ⊙, place in valley of Hinnom, nr. Jerusalem, chf. seat of worship of Moloch, aftwds. defild. by Josiah; later a burial-ground

Toplady, Augustus M., † & hymn / ("Rock of Ages"), * 1737 Farnham; defend. Calvinism agst. John Wesley & others, † 11/8 78.

Toplitz, or Teplitz, watering-place of Bohemia; 15,000 inh.; hot baths for rheumatism, &c.

Topmast, ⚓, 2nd mast fr. deck; above lower mast.

Topography, descriptn. of face of country or region

Tor, Welsh = high pointed rock or hill; *e g.*, Glastonbury T.

Tordenskiold, P. W (Wessel), Dan adml, * 28/10 1691; captured Marstrand, † in duel 20/11 1720.

Torelli, 1] Giuseppe, Ital math, * 3/11 1721; edited Archimedes, † 18/8 81. 2] Lælio, *v.* Tarquellius. 3] A., ♁ / at Naples, * there 5/5 1844.

Toreño, Jose Maria, conde de, Span statesm & ♛ /, * 26/11 1786, / ♛ of Span. revolution, Fin. Min. 1834, For. Min. 35, † 16/9 43 Paris

Tormentil, ☘, pop. name for *potentilla tormentilla.* Silver weed, *P. anserina;* barren strawberry, *P. fragariastrum.*

Tornado, sudden local whirlwind, gently w. rain, lightning, & thunder; same type as cyclone, but more local & less violent

Toronto, chief ⊙ of Ontario, Canada, on Lake Ontario, 130,000 inh.; univ. fnded 1830; Protest & R. Cath archbishoprics.

Torpedo, 1] ⚓, vessel or engine charged w. explosive wh. is fired by contact, by concussion, or by electricity. Five kinds: (1) *Drifting,* to drift against vessel. (2) *Anchored,* a caisson charged w. expl., & fixed to submerged structures. (3) *Boom* or *spar,* fixed to boom projecting fr. bows of small swift vessl (T.-boat). (4) *Locomotive,* propelled usually beneath surface of water; best-known example Whitehead or Fish T., impelled by compressed air, used on all large ships & all T.-boats in R N. (5) *Manœuvred,* course of wh. can be directed fr. ship or shore. 2] Ichth, any specs. of ray of fam *torpedinidæ* · electric rays; 6 species, Atlant. & Ind Oceans; 3 in Medit, & 2 (*T. marmorata* & *T. hebetans*) sometimes on Brit. coasts. Large specs can give shocks suffic. to disable a man.

Torquay, watering-place of S Devon, on Tor Bay; 35,000 inh; divsn reta. 1 M P.

Torquemada, Juan de, Span. Dominican † & Inquisitor, * 1388; card 1439, bp. of Palestrina 55, of Sabina 64; confessor to Isabella II of Castile, † 26/9 68.

Torre, Giovanni M. de, Ital. natural ♃ & ♆, * 1710; prof at Rome & Venice, librarian to Charles of Naples, † 5/3 82. /.

Torrens, Wm T. M, polit & /, * 1813 Dublin co; M.P 47. Lives of Graham, Melbourne, Wellesley, &c

Torres Strait, separs. Austral. from New Guinea, 80 m. wide at narrowest part Discvd. by T., Span. ⚓, 1606.

Torres Vedras, ⊙ of Portugal, 29 m. N. of Lisbon; *ca* 3,000 inh. Lines of T, ♚ erected by Wellington for defence of Lisbon 1810.

Torricelli, Evangelista, Ital math & ♁, * 15/10 1608 Piancaldoli; pupil of Galileo, prof. of ♃ & math. at Florence 42, † there 25/10 47. Invented barom. 43, improved telescope & microscope. /.

Torrigiano, Pietro, Florentine ♁, * 1474; exec. monumts. of Margaret Countess of Richmond & of Hy. VII. in Westm Abbey, imprisd. in Spain, † by suic 1522.

Torso (Ital), ♁ body of a statue.

Torstenson, Lennart, Swedish genl. und. Gustavus Adolphus, * 17/8 1603, crtd. Count of Ortala by Queen Christina, † 7/4 51.

Tortoise, Turtle, zool., any rept. of ord. *chelonia,* wh. is divd. into 4 sub-fams. —(1) *Testudinæ,* Land T.s, 126 specs., terrest & fresh-water; widely distributed, but absent from

Australasia. (2) *Chelidæ*, 44 specs., fresh-water; Africa, Austral., S. Amer. (3) *Trionycidæ*, Soft T.s, 25 specs.; ⚓s of warm regions. (4) *Chelonidæ*, ⚓ T.s; warm & trop. seas; 5 specs., incldg. Green T., from wh. T.-soup is made. Tortoise-shell of commerce, yielded chfly. by *chelonia imbricata*, Hawks-bill T. Name sometimes confined to sub-family *testudinæ*.

Tortola, Brit. island in W. Inds., chief of Virgin group; 12×4 m.; 5,000 inh. Chief ⊙, Roadtown.

Tory (Irish *toruighe* = pursuer), Irish moss-troopers in 16th cent. Term applied in scorn *ca.* 1680 to those who contended for extreme royal prerogatives; now genlly. superseded by "Conservative."

Tosti, or Tostig, Saxon Earl of Northumberld., s. of Earl Godwin; joined w. Harold Hardrada, king of Norway, against his bro. Harold 1066, † in ⚔ Stamford Bridge 25/9.

Totemism, †, adoration of animals & objects; stage usually succeeding fetishism, objects of worship being of higher kind.

Totidem verbis, Lat. = in so many words.

Toties quoties, Lat. = as often (as one), so often (the other).

Totila, king of Ostrogoths; recovered Italy fr. Justinian, † in ⚔ with Narses 552.

Toto Cœlo, Lat. = by the whole heaven; wide as the poles apart.

Toucan, ornith., fam. *rhamphastidæ* of S. Amer. birds; huge bills of var. colours, w. long feather-like tongues; fruit-eaters & cud-chewers; *ca.* 50 species.

Touchstone, *v.* Basanite.

Toulmin, 1] Camilla, *v.* Crosland, Mrs. Newton. 2] Joshua, Nonconform. †, * 1740, † 1815. ✓ Life of Socinus; of Priestley, &c.

Toulon, Fr. ⚜ ⊙, Var deptmt., on Medit.; 1 of 5 Fr. ⚓ stations, chief port for Algeria; 70,000 inh. Taken by Eng. under Hood 23/8 1793; re-taken by Napoleon.

Toulouse, chf. ⊙ of Haute Garonne, Fr., on isld. & right bank of ⚓ Garonne; 140,000 inh.; archbpric.; 13th cent. cath.; anctly. Tolosa; ⚔ 10/4 1814, Soult deftd. by Wellington; destructive inundation 75.

Touraine, old prov. in N. Fr. nearly = deptmt. of Indre-et-Loire.

Tourcoing, Fr. ⊙, Nord department; 55,000 inh.; wool.

Tourganieff, *v.* Turgeneff.

Tourmaline, ◆, occurs in long prismatic semi-transparent crystals, genrlly. black, green, or brown; in composition a double silicate of aluminium, iron, & some other metals, always with boric acid. Polarizes light.

Tournay, Belg. ⚜ ⊙, Hainault prov., on Scheldt; 33,000 inh.; carpets & porcelain.

Tournefort, Joseph P. de, Fr. ✿, * 5/6 1656, † 28/12 1708. ✓.

Tourneur, Cyril, Eng. poet. & ✎ ✓, *ca.* 1600. *Atheist's Tragedy.*

Tourniquet, ✝ instrument for compressing artery in amputation, &c.; invented by Morelli 1674.

Tournon, Franç. de, Fr. † & diplom., * 1489; archbp. of Embrun, Bourges, & Lyons, aftwds. cardinal, introduced Jesuits into Fr., † 1562.

Tours, chf. ⊙ of Indre-et-Loire, Fr., betw. ⚓s Loire & Cher; 58,000 inh.; archbpric., cathed. completed 16th cent. Seat of National Govt. during siege of Paris 1870–71.

Tourville, Anne H. de Constentin, comte de, Fr. adml., * 24/11 1642; lieut.-genl. of ⚓ 82, deftd. Eng. & Dutch ⚔ Beachy Head 30/6 90, deftd. by them ⚔ La Hogue 19/5 92, marshal 93, † 28/5 1701.

Toussaint, Franç. Dominique (T. L'Ouverture), negro genl., * 1743 Buda, San Domingo; genl.-in-chief of island 96, carried out many reforms, resisted Bonaparte's attempt to re-estab. slavery 1801, surrend. 7/5 02, † in prison 27/4 03 Paris.

Tout Ensemble, Fr. = all together; the whole, taken as such.

Tower Hamlets, borough of London; 450,000 inh.; returns 7 M.P.s: Whitechapel, St. George's,

Limehouse, Mile End, Stepney, Bow & Bromley, & Poplar divisns

Towers, Joseph, biog. & ✍ ✓, & †, * 1737 Sherborne, † 20/5 99 ✓ of 1st 7 vols. of "Biographica Britannica," &c

Town Council, *v.* Corporation

Townley, 1] Chas., Ψ, * 1737, † 3/1 1805; his relics of ancient art purchsd. for Brit Mus. 05 & 14 for £26,000 2] John, Congreg † & philanth, * 1757; founded Deaf & Dumb Asylum, † 1826 3] Jas, †, & ⊙ ✓, * 1715, † 78. 4] John, * 1697, † 1782; translator of "Hudibras" into French

Townshend, 1] Charles, 2nd visct., Whig statesm., * 1676, Sec of State 1714–17, Premier 21–30, † 21/6 38 2] His grandson, Charles ("Weathercock"), statesm, * 1725, War Sec. 61, Colonial Sec 65, Paymaster-Genl. 65, Chanc. of Exchequ 66, proposed taxation wh. led to Amer. War of Indep., † 4/9 67.

Toxophilite Society, estab in London 1781 for encouraging art of archery.

Toynbee, 1] Arnold, polit econ & social reformer, * 1852, † 83 T Hall, Whitechapl., estabd to further his theories of improvemt. 2] His fath., Joseph, aural ✝, * 1816, † 66. ✓ "Diseases of Ear" 60, &c

Trachea, anat, in air-breathing vertebrates the windpipe; open tube commencing above larynx, dividg. below into right & left bronchus.

Tracheotomy, ✝, cutting open windpipe to prevent suffocatn, &c

Tractarianism, †, Cath revival in Ch of Eng. wh. began at Oxfd 1833 w. H. J. Rose, John Keble, J. H. Newman, E. B. Pusey, & others Propagandism carried on by "Tracts for the Times," of wh. Newman wrote 28 (includg. Tract XC, censured by Hds. of Houses, w. wh. series ended).

Tracy, 1] Antoine L C. Destutt, comte de, Fr. ⚔, statesm, & ✍, * 20/7 1754; marshal 92, imprisd. † 9/3 1836. ✓ "Elements d Ideologie," &c. 2] His s., Alex. C. D, ⚔ & statesman, * 1781, † 1864.

Trade, Board of, permant. committee of Privy Council, presided over by member of Cabinet, & divd. into 7 departmts.: Harbour, Marine, Railway, Financial, Commercial, Fisheries, & Establishment.

Tradescant, 1] John, naturalist, travlr, & Ψ, gardnr. to Chas I., † 1652; w 2 founded mus, wh. he bequeathed to E Ashmole, who gave it to Oxford Univ. 2] His s, John, * 1608, † 22/4 62. ✓.

Trades Unions, combinations of workmen for promotion of their interests, illegal in Eng. until 1824, still so in most Continl. countries. T U. Act of 71 provided for their registratn; furth. concessns. made by Act of 76. Now upwards of 250 Uns in U K., w. over 600,000 membs.

Trade-wind, *v* Wind.

Trafalgar, Cape, promontory of S W. Spain, 30 miles from Strait of Gibraltar. ⚓ ⚔ 21/10 1805, Fr & Span fleets under Villeneuve deftd. by Nelson, who was killed.

Trafford, F. G., pseud. of Mrs. J H Riddell.

Tragopan, ornith., Horned Pheasants, gen. *ceriornis*; 5 specs.; Himalayas.

Traill, 1] Robt, Presbyter. †, * 1642 Fifesh, † 1716. ✓. 2] Robt., †, transl & biog. of Josephus, † 1847. 3] Thos. Stewart, ✝ & ✓, * 1781, prof of ✝ jurisprudence at Edinb, † 1862. Edtr of 8th edition of "Encyclopædia Britannica."

Trajan (Marc. Ulp. Trajanus), Roman Emperor, * 55 Italica (now Alcala, near Seville), adopted by Nerva 97, succ. him 98, defeated Dacians, Germans, & Parthians, † 11/8 117 Selinus, Cilicia, triumph. column erected at Rome 114, Apollodorus ▲.

Tralee, Irish ⚓ ⊙, co. Kerry; 10,000 inh.

Tramways, of stone were laid down in Commercial Rd., London, 1830 c T.s of iron orig. in U.S.A.; introd. into Eng. at Birkenhead 60, London 61, taken up in 62 because of popular clamour.

Tranquebar, ⚓ ⊙ of Tanjore, B. Ind.; 15,000 inh.; purchased by Eng. from Denmark 1845.

Transcaspian Railway, Russ. R. fr. Michailovsk on Caspian Sea to Samarcand, completed 1888.

Trans-Caucasia, part of C. between Caucasus ▲ on N. & Turk.-in-Asia & Pers. on S.; 85,756 s.m., 3,500,000 inh.; divd. into 9 govts.

Transcendentalism, *v.* Mental Science.

Transept, ⚠, part of church between nave & choir, extending on each side like arms of cross.

Transfusion, ✗, transmitting blood from one living animal to another, or fr. one human being to another.

Transit, ☀, passg. of a heavnly. body over meridian, or of Mercury or Venus over sun's disc. Next T.s of Mercury 9/5 1891 & 10/11 94; of Venus on 7/6 2004 & 5/6 12.

Transkei, *v.* Kaffraria.

Transmigration of Souls, *v.* Metempsychosis.

Transom, ⚠, horizontal divsn. of window.

Transportation, mode of punishment wh. grew out of banishmt.; abold. by 20 & 21 Vict., cap. 3, 1857, & superseded by penal servitude.

Transubstantiation, †, Rom. doctr. that bread & wine of Eucharist are by consecratn. miraculously changed into body & blood of Christ. *v.* Consubstantiation.

Transvaal, Dutch repub. of S. Afr., bound. on N. by Limpopo or Crocodile ⚓, on E. by Swaziland & Zululand, on S. by Vaal ⚓, on W. by Bechuanaland, &c.; 112,700 s.m., *ca.* 80,000 inh., incldg. 50,000 whites; gold, copper, lead, cobalt, iron, coal, cattle, ✓ produce; rev. *ca.* £260,000, expend. *ca.* £245,000, debt £380,000; imports £520,000, expts. £600,000. Chf. ⊙s: Pretoria (cap.) 4,500 inh., & Potchefstroom. ♛: fnded. 1840 by Boers fm Cape Colony & Natal; recognised 54 by Cape Govt.; annexed by Brit. 77 on ground of internal disorders; Boer rebelln. 80, Brit. deftd.; Convention granted by Home Govt. 3/8 81 restoring country to Boers subject to Suzerainty to Crown & protectorate over natives thro' Resident; further concessions by Britain 84.

Transylvania, or Erdély (Germ. Siebenburgen), S.E. prov. of Hung.; 21,215 s.m., 2,100,000 inh. Chf. ⊙, Klausenburg; 26,000 inh. ♛: independent principal. till united w. Austr. 1699; united w. Hung. 1866.

Trap Rocks, ⚒, R.s of igneous origin.

Trapa, ✱, genus of floating aquat. plants; inclds. *T. natans,* water chestnut or caltrops, Cent. & S. Eur.; & *T. bispinosa,* Singbara of India.

Trapani, ⚓ & ✱ ⊙ on N.W. cst. of Sicily; 32,000 inh.; coral.

Trapezium, geom., quadrilat. fig., no 2 of whose sides are parallel to one another.

Trapezoid, geom., quadrilat. fig., two only of whose sides are parallel to one another.

Trapp, Joseph, Eng. † & transl. of Virgil, * 1679, † 1747.

Trappists, R. Cath. †, branch of Cistercian order, followg. reformed rule instituted by A. J. le Bouthillier de Rancé (1626–1700) at monastery of La Trappe, nr. Séez, France; absolute silence.

Tras-os-Montes (Beyond the ▲s), prov. of N.E. Portugal; 4,065 s.m., 400,000 inh. Chf. ⊙, Braganza.

Travancore, nat. State of Madras, India; 6,730 s.m., 2,320,000 inh.; bpric. Cap. ⊙, Trivandrum; 60,000 inh.

Traveller's Tree, Ravenala, ✱, *urania speciosa,* of banana fam.; Madagascar. Leaf-stalks, when pierced, yld. large quant. of water.

Travers, Walter, 16th century Puritan †, opponent of Hooker.

Treacle, spume obtained in refining sugar.

Tread-mill, wheel drivn. by persons treadg. on steps on periphery; form of "hard labour" now falling into disuse.

Treason, Leze-Majesty, ⚖, offence against duty of allegiance. Distinction betw. High & Petty T. abold. 1828. T.-felony is name for acts of T. wh. till 1848 were capital crimes, now punishable with imprisonment or penal servitude.

Treasure Trove, ⚖, money, bullion, gold, silver, or plate, found hidden in earth or other private place, owner being unknown. In Eng. it belongs to Crown.

Treasury, Govt. deptmt. which controls pub. revenue; duties once performed by Lord High Treasurer, now by board of 5 commissioners, Lords of T. The First Lord is genlly the Premier; virtual head of T. is the Chanc. of Exchequ.; other members are the Junior Lds.

Trebizond (Turk. Tarabazûn), Turk. ⚓ ⊙ of Asia Minor, on Black Sea; 40,000 inh. Anct. Trapezus.

Treble, 𝄞, highest vocal or instrumental pt. Ordinary compass of T. or soprano voice, a twelfth upwards from middle c.

Tredgold, Thos., Eng. civil ⚙, * 1788, † 28/1 1829. ✓.

Tree, Ellen, *v.* Kean 3.

Tree Fern, ❦, any F. wh. rises to elevation & has to some extent the structure of a T.; Brazil, New Zealand, Asia, &c. Many belong to gen. *cyathea.*

Tree Frogs, zool., fam. *hyladæ;* digits enlarged, rounded, & formed into sticky discs at extremities, enabling them to climb trees; males with vocal pouch; Amer., Austral., Eur., S. Asia.

Tree Worship, common form of ✝ in early stage of developmt.; in Central Eur. till later Middle Ages; still practised in the Chersonese & in Amer., Asia, Afr., & Australasia.

Trefoil, 1] ❦, pop. name for gen. *trifolium,* esp. *T. minus.* *v.* Clover. 2] ⅄, ornament. in Goth. windows, tracery, panellings, &c., resembling 1.

Tregelles, Samuel Prideaux, Bibl. schol., * 1813 Falmouth, † 75.

Treitschke, Heinr. G. v., Germ. ♛ ✓, * 15/9 1834 Dresden; prof. at Berlin 74.

Trelawny, 1] Sir Jonathan, ✝, * *ca.* 1648; bp. of Exeter 88, impd. in Tower as 1 of the 7 bps. 88, † 19/7 1721. 2] Sir E. John, misc. ✓, * 1792 Cornwall, † 1881.

Trematoda, zool., order of Suctorial Worms or Flukes, parasitic in bodies of animals, includg. man. Includes Liver Fluke of sheep, which causes "rot."

Trench, Richd. Chenevix, ✝, poet. & misc. ✓, * 9/9 1807 Dublin; educd. Harrow & Trin. Coll. Camb., Hulsean lect., 45, prof. of ✝ King's Coll. London 47, dean of Westminster 56, archbp. of Dublin 64–84, † 28/3 86. Poems 37, "Parables" 41, "Miracles" 46, "Words" 51, "English, Past & Present" 55.

Trenck, 1] Fried., baron v. der, Germ. offr., * 16/2 1726 Konigsberg; imprisd. for intrigue with Princess Amelia, sevrl. times escaped, † by guillot. 25/7 94 Paris. ✓ of autobiography 86. 2] His cous., Franz, baron v. der, Austr. offr., * 1/1 1711; imprisd. 46, † 14/10 49. ✓ autobiography 70.

Trendelenburg, F. A., Germ. ✍, * 30/11 1802 Eutin, Oldenburg; prof. at Berlin 33, sec. to Acad. of Moral Sciences 69, † 24/1 72. ✓ "Logical Researches" 40, "♛ of Doctrine of Categories" 46.

Trent, 1] Eng. ⅄; rises in Staffs., joins Ouse to form estuary of Humber; 150 m. 2] or Trient, Austr. ⊙ in Tyrol, on ⅄ Etsch; 18,000 inh. ✝ Counc. 1545–63 to deal w. questions raised by Reformation.

Trenton, cap. ⊙ of New Jersey, U.S.A., on Delaware ⅄; 30,000 inh.

Trepang, *v.* Beche-de-Mer.

Trephine, to cut circular piece out of skull to relieve brain from pressure.

Tresilian, Robt., Eng. ⚖, * Cornwall; Chf. Just. of K.'s Bench 1381, impeached 87, executed 88.

Tressure, herald., border round shield; in tech. lang., the diminutive of the orle.

Tret, allowance (in certain goods) of 4 lbs. for every 104 lbs. of weight after tare (*q.v.*) has been deducted, for wear, damage, or deterioration in transit.

Trevelyan, 1] Geo. Otto, statesman & biog. ✓, * 20/7 1838 Rothley Temple; eductd. Harrow & Camb., M.P. 65, Lord of Adm. 68–70, Sec. to Adm. 80–2, Irish Sec. 82–4, Chancellor of Duchy of Lancast. 84, Scot. Sec. 85–86. ✓ Life of Macaulay (his uncle) 76, "Early ♛ of C. J. Fox" 80, &c. 2] His father, Chas. Edwd., administrator & ✓, * 1807; govr. of Madras 59, Fin. Min. in Ind. 62–65, kntd. 48, bart. 74, † 19/6 86.

Treves (Germ. = Trier), ⊙ of Rhenish Prussia, on ⚓ Moselle; 33,000 inh.; bpric.; anct. cathedral. *v.* Holy Coat.

Trevor, 1] Sir John, Eng. ♗, * 1633; Mast. of Rolls 85, Speaker of Ho. of Commons 85–89, re-elected 90, expelled for bribery 12/3 95, † 20/5 1717. 2] Thos., Ld., ♗, * 1659; Sol.-Genl. 92, Att.-Genl. 95, Chief Just. of Com. Pleas 1701, Commissioner of Great Seal 10, peer 11, Lord Privy Seal 26, Premier, † 30.

Triangle, geom., figure bounded by 3 lines; when lines are straight, a *plane T.*; when curved, *spherical T.*; w. sides all equal, an *equilateral T.*; w. only 2 equal, *isosceles T.*; w. all unequal, *scalene T.*; w. 1 right angle, the other 2 acute, a *right-angled T.*; w. 1 obtuse angle, *obtuse-angled T.*; with all 3 angles acute, *acute-angled T.* In right-angled T. the side wh. subtends (is opposite to) right angle is the *hypothenuse*.

Triassic Series, ⚒, lowest grt. division of Mesozoic rocks, above Permian, below Lias. Divd. in Eng. into (1) Upper Trias, or Keuper, red & grey beds of marl & shale, w. rock-salt & gypsum, on red sandstones, marls, &c.; (2) Lower Trias, or Bunter, red sandstones, &c.

Tribune, Rom. ♛, orig. chief magistrate of tribe. Title borne by sevrl. offrs.: (1) *Plebeian T.s*, 1st created *ca.* 260 A.U.C., specially protectors of commonalty; (2) ✕ *T.s*, 1st elected 310 A.U.C. in place of consuls; (3) *Legionary T.s*, 6 chf. officers of a legion.

Trichina Spiralis, zool., minute spiral flesh-worm discvrd. in hum. muscle by Sir J. Paget 1835. *Trichinosis* caused by eating imperfectly-cooked pork, &c.

Trichinopoli, distr. of Madras, Brit. India; 3,515 s.m., 1,200,000 inh. (mostly Hindus). Chf. ⊙, T.; 75,000 inh.; ✕ station, & place of pilgrimage; Rom. Cath. bishopric.

Trichoptera, *v.* Caddis-fly.

Tricoupis, 1] Spiridion, Greek diplom. & ✓, * 1788, † 1873. 2] His son, Charilaos, Greek statesm., * 1832; For. Min. 66, Premier 77, &c.

Trieste, Austr. ⚓ ⊙ & ⊕ on Adriatic, at head of Gulf of T.; 75,000 inh., or, incldg. surroundg. territory belonging to it, 145,000.

Trifolium, *v.* Trefoil.

Triforium, ▲, gallery or arcade in wall over the pier arches & below clerestory of a church.

Triglyph, ▲, ornament in frieze of Doric column, repeated at equal intervals.

Trigonocarpon, ⚒, fruit of coniferous plants, in coal measures.

Trigonometry, branch of mathematics wh. dealt orig. with triangles; now embraces all angles & their functions. *Plane T.* relates to angles described on plane surf.; *Spherical T.*, on surface of sphere.

Trilobites, palæontol., extinct order of palæozoic crustaceans; body in 3 longitudinal lobes.

Trilogy, ✓, series of 3 dramas, each complete in itself, but related to both the others.

Trimmer, Sarah (*née* Kirby), ✓, * 6/1 1741, † 15/12 1810.

Trimurti, †, later Hindu triad (Brahma, Vishnu, & Siva), regarded as an inseparable unity.

Trinidad, Brit. W. Ind. island 7 m. off coast of Venezuela, w. Gulf of Paria betwn.; 1,755 s.m., 160,000 inh.; exports sugar & cocoa; sub-⚓

volcanoes, lake of boiling pitch 1½ m in circumf m S.W. coast. Rwys 52 m Rev & expend. *ca.* £450,000. Cap ⊙, Port of Spain; 32,000 inh. Discovd by Columbus 1498, colonised by Spans. *ca.* 1590; captd. by Brit. 1797. Crown Govr., Executive, & Legislative Council.

Trinity, †, unity of Three Persons in One God, held by Rom., Grk, & Anglican Churches, & by most Nonconformist communions. Anctly held in modified form by Egypts & Pers; now by Hindus.

Trinity House, association w. headqrtrs at T. H., Tower Hill; fnded by Sir T. Spert at Deptford 1512 for pilotage; incorpd. 1514 as "Corporation of Elder Brethren of Holy & Undivided T.;" since 1854 exercises exclusive right of regulating Eng lighthouses & buoys; & licenses pilots, except those apptd. by local bodies. Regulatd. by Merchant Shipping Act of 1854.

Trinity Term, 1] ♃, *ca.* 22/5–12/6 2] Oxf. Univ., *ca.* 12/6–10/7. 3] Dublin Univ., *ca.* 15/4–30/6.

Trinobantes, anct. Brit. tribe in Middlesex & Essex.

Trio, 𝄞, piece for 3 voices or instruments

Tripe-de-Roche (Fr. = Rock-tripe), name of sevrl. edible specs of lichen, used as food by hunters in Arctic regions of N. America.

Tripitaka, the 3 classes into wh. Buddhist sacred ✓ is divid.—Sutras, Vinaya, Abidharma.

Triple Alliance, ♛, A. betw. (1) Brit, Swed, & Holl, agst France 1668; (2) Brit., Fr., & Holl., agst. Spain 1717, (3) Brit., Russ., & Austr., agst. France 98; (4) Germ., Austr., & Ital., agst. France & Russ. 1887

Triplet, 𝄾, group of 3 notes performed in time of 2; indicated by slur & fig. 3

Tripod, class Ψ, bronze altar w 3 legs, often also w. 3 rings at top for handles.

Tripoli, 1] vilayet or prov. of Turk Emp., on N. coast of Afr.; includes Fezzan & the sanjak of Barka; 899,000 s m, 1,010,000 inh. *Exports:* bullocks, ivory, wheat, barley, oil, ostrich feathers, madder, pepper, wool, & esparto grass ⊙s: T. (cap), 25,000 inh; Bengazi, 22,000 inh Govr-Genl, chosen by Sultan, appoints Beys of provincial distrs. 2] ⚓ ⊙ of Syria, cap of Pashalik of T; 80,000 inh

Tripos, Camb. Univ, (1) the 3 honour-classes resulting fr exams in math, ♃, †, or nat science; (2) one of the examinations.

Trippel, Alex, Germ. ✍, * 1744 Schaffhausen, † 93 Rome

Triptych, 1] ✍ or carving on panel w 2 folding-doors or leaves. 2] Writing-tablet in 3 parts, 2 of wh may be folded over centre.

Trireme, anct war-vessel with 3 ranks of oars on each side, one above another.

Tristan da Cunha, sm grp of Brit islands in S Atlantic, 1,750 m. S.W of Cape of Good Hope; discvd. by T. da C, Portug navigtr, 1506; acquired by Brit. 1816; 100 inh

Tristram, Brit. myth., Cornish hero, 1 of King Arthur's knights

Tristram, Hy. Baker, † & explr., * 1822 Northumberland; canon of Durham 74 ✓ "Great Sahara," "Bible Places," &c

Tritheism, †, doctr. of 3 distinct Gods, instead of 3 Persons in One God; introduced by Gnostics 6th cent.; formulated in 6th cent as ♃ theory, revivd. by Roscellinus 11th cent, by Dean Sherlock at end of 17th.

Tritons, Grk. myth, sea-gods, sons of Poseidon & Amphitrite.

Trivet, Nich., Eng. Dominican friar, ♛ & misc. ✓, † 1328. "Annales Sex Regum Angliæ."

Trochee, prosody, foot of 2 syllables, 1st long, 2nd short (– ∪)

Trochilidæ, *v* Humming-birds.

Trochu, Louis J., Fr. genl., * 12/3 1815 Palais; in Franco-Germ. War, govr. of Paris, com.-in-chf. 70, retired 73. ✓.

Troglodytes, 1] anct Grk. term for barbarous races who lived in

caves. Troglodytic caves are found in Eur., Afr., & Amer.; & in Arabia are still used by Bedouins. 2] Ornith., the wren gen., espec. *T. parvulus.* 3] Gen. of *simiinæ*, W. Africa; 3 well-known species: *T. gorilla*, the gorilla; *T. niger*, common chimpanzee; & *T. calvus*, bald chimpanzee.

Trogon, ornith., fam. *trogonidæ*, picarian birds; 7 gen., 44 species; dense puffy plumage, of pink, crimson, orange, brown, or metall. green; abundant in South America.

Troilus, Greek myth., a son of Priam, slain by Achilles at Troy.

Trollope, 1] Anthony, nov. & misc. ♂, * 24/4 1815, † 6/12 82. "Warden" 55, "Barchester Towers" 57, "Framley Parsonage" 61, "Last Chronicle of Barset" 67, "Phineas Redux" 74, "Land Leaguers," &c. 2] His bro., Thos. A., nov. & misc. ♂, * 29/4 1810. "Lindisfarn Chase" 63. 3] Their mother, Frances, nov. ♂, * 1778, † 6/10 1863.

Trombone, ♆, large deep-toned brass instrmt.; 2 tubes, one of wh. slides in & out of other; 3 kinds, alto, tenor, bass.

Tromp, 1] Martin H. van, Dutch adml., * 1597; defeated Span. off Gravelines 1639, deftd. by Blake off Dover 29/5 52, deftd. Eng. at mouth of Thames 10/12 52, † at ⚔ Scheveningen 10/8 53. 2] His s., Cornelis van, adml., * 9/9 1629; cr. bar. by Charles II. 75 & count by king of Denmark, † 29/5 91.

Trondhjem, *v.* Drontheim.

Troop, Brit. ⚔, body of cavalry of *ca.* 60 men, under a captain; ½ squadron.

Trope, rhet., any fig. of speech.

Trophonius, Grk. myth., s. of Erginus (king of Orchomenus); w. his bro., Agamedes, built temple at Delphi; aft. his dth. had oracle in cave near Lebadea.

Tropic Bird, ornith., "Bo's'n," trop. gen. *phaëton;* 3 specs.; follow vessels.

Tropics, 1] ♋, 2 circles boundg. sun's annual path, & drawn parallel to celestial equator, on either side, at distance of 23° 28'; N. passes thro' the point Cancer, S. thro' Capricorn. 2] ○ parallels of latitude correspondg. to celest. tropics, & called T. of Cancer & T. of Capricorn. Over these sun is vertical when at greatest declination. They include torrid zone, *ca.* 47° wide, with equator for central line.

Troubadours, love-minstrels of Middle Ages, in S. of Fr.; 11th–13th centuries.

Trout, ichth., grp. *salmones*, as dist. fr. the *salvelini* or charrs of same fam.; fnd. in most lakes & ⚓s of temp. & colder pts. of N. hemisphere. Comm. ⚓ T., *salmo fario;* sea or salmon T., *S. trutta;* great lake T., *S. ferox.* Spawn in October.

Trouvères, love-minstrels of N. of France, 12th–14th centuries.

Troy, 1] Troja, Ilium, anct. ⊕, ⊙ of Asia Minor; said to be named fr. Tros, father of its founder, Ilus. Schliemann identifies site with Hissarlik, 4 m. fr. mth. of ⚓ Mendereh, supposed to be ancient Scamander. 2] ⊙ of New York State, U.S.A., on Hudson ⚓; 60,000 inh.

Troy Weight, jewellers' wt., named from Troyes. 1 lb. = 12 oz.; 1 oz. = 20 dwts.; 1 dwt. = 24 grns. 1 lb. T. is to 1 lb. avoirdupois as 144 to 175; 1 oz. T. to 1 oz. avdup. as 192 to 175.

Troyes, chf. ⊙ of Aube deptmt., Fr., on ⚓ Seine; 45,000 inh.; cathedral begun 13th century.

Trübner, Nic., schol. & publ., * 12/6 1817 Heidelberg; publ. in London 52, founded *Oriental ♂ Record*, † 84.

Truce of God, eccles. prohibition, in 1040, of ⚔ operations betw. sunset on Wednesday & sunrise on Mon., or on any ✝ fast or feast day.

Truck System, paying wages otherwise than by coin & at reasonable intervals.

Truffle, ♨, gen. *tuber* of fungi. Brit. specs.: *T. æstivum* (or *cibarium*) & *T. moschatum.*

Trumpet, ♆, anct. metal wind

instrmt., introd. into orchestra by Gluck & Handel. Mod. orchest. or slide T. is tube 66¾ in. long, ¾ in. in diam., twice turned or curved; slide, a double tube 5 in. long on each side, is connected w 2nd curve.

Trumpet Fish, Bellows F, Snipe F., ichth., names for 4 vars of gen. *centriscus*, bones of fore-pt of head prolonged into narrow tube with terminal mouth

Trumpet Flower, ❀, any plant w. large tubular flowers, esp. gen. *bignonia* & *tecoma*

Truro, chf. ⊙ of Cornwall, on Falmouth Harbour; 11,000 inh.; bpric. 1876; new cathedral.

Truro, Thos. Wilde, baron, ⚖, * 1782; one of Q. Caroline's junior counsel 20, serjeant 24, k.s serjnt 27, Sol.-Genl. 40, Att.-Genl 41, 46, Ld Chief Just. of Com. Pleas 46, Ld Chancellor & baron 50–52, † 55.

Tschermak, Gust., ⊕, * 19/4 1836 Littau; prof. at Vienna 75 /.

Tschernaieff, *v.* Tchernaieff.

Tschirnhausen, Ehrenfried W. v., Germ. math. & ⚗, * 10/4 1651 Upper Lusatia; estab. glassworks in Saxony, founded Dresden porcelain manf., made powerful burning-mirrors, &c., † 11/10 1708. /.

Tschudi, Ægidius, Swiss ♛ / ("Fath. of Swiss ♛"), * 1505 Glarus, † 72. "♛ of Switzerland," &c.

Tseng, Marquis, Chinese diplom., * 1836 Hunan; Min. to Eng. & Fr. 78, to Russia also 79, returned to China 86.

Tse-tse, entom., native name of dipterous blood-sucking insect, *glossina morsitans*, *ca.* size of house-fly; S. Afr.; bite fatal to ox, horse, & dog, but innoc. to man & wild animals.

Tsin Dynasty, 4th Chin. D., founded by Tchao-siang-wang, prince of T., *ca.* 211 B.C.

Tsong Dynasty, 19th Chin. D., founded 960 by Tchao-quang-yn, descendant of Tchuang-tsong, Tartar genl; extinct 1276.

Tu quoque, Lat. = thou also; argument of "you're another."

Tuber, 1] ❀, short thick fleshy underground stem bearg. 1 or more leaf-buds; *e.g.*, potato. Contains nutriment laid by in one season for next. 2] *v.* Truffle.

Tubercle, ✚, sm. round masses of morbid matter in lungs, intestines, mesenteric glands, larynx, &c.

Tuberculosis, ✚, the disease of tubercles.

Tubingen, ⊙ of Wurttemberg, on ⚓ Neckar, 12,000 inh., univ. fnded. 1477.

Tubingen School, †, rationalistic S. of criticism fnded. *ca.* 1835 by F. C. Baur, prof of † at T.; carried on by Zeller, Schwegler, Ritschl, Kostlin, Hilgenfeld, & Hosten.

Tucker, 1] Abr., metaphys. /, * 2/9 1705 London, † 20/11 74 Dorking 2] Josiah, † & polit. /, * 711; dean of Gloucester 58, † 4/11 99 3] Miss ("A. L. O. E."=A Lady of Eng."), / for children.

Tudor Arch, △, depressd. or 4-centred arch, common in Perpendicular style

Tudor Dynasty, Eng. ♛, fnded. by Owen T., of Wales, by marriage w. Catherine, widw.d. Qn. of Hy. V., 1428 († 61). 1st T. sovrgn Hy. VII., his grandson; last, Elizabeth.

Tuesday, 3rd day of week; namd. aft. Tiw, Scandin. war-god.

Tula, chief ⊙ of Russ. govt. of T., on ⚓ Upa; 60,000 inh.

Tulcan Bishops, popular name for bps. appointed in Scot. Ch. under Concordat of Leith 1572, on conditn. of receivg. only sm. pt. of revenues. A T. is a stuffed calf-skin placed under a cow that withholds milk.

Tulip, ❀, gen *tulipa*, espec. *T. gesneriana*, garden T. Brought in seed from the Levant to Augsburg 1559; to Eng. fr. Vienna 16th cent.

Tulip Mania, M for speculatn. in T.s in 17th cent., soon after the flower was introdcd. into Holland. A bulb of *semper augustus* fetched at one time 13,000 florins.

Tulip-tree, ❀, *liriodendron tulipifera*, w. flowers like T.; native of North America; bark tonic.

Tull, Jethro, Eng. ✓ & /, * 1680, † 9/1 1740.

Tulloch, John, Scot. † & ⚖, * 1823 Tibbermuir, Perthsh.; educ. St. Andrew's, principl. of † college there 54, Moderator of Scot. Estab. Ch. 78, † 13/2 86. / "Ldrs. of Reformation" 59, "Rational † & Christian ⚖ in Eng. in 18th Cent." 72, "Movemts. of Religs. Thought" 85.

Tullus Hostilius, 3rd king of Rome, 670–638 B.C.

Tully, Cicero (*q.v.*).

Tumkur, distr. of Nandidrug, Brit. Ind.; 3,606 s.m., 650,000 inh. Chf. ⊙, T.; 12,000 inh.

Tumour, ✱, any morbid growth, generally attended by swelling.

Tumuli, large mounds raised over tombs, or (more rarely) as memorials; found in all parts of world, many pre-♆; mode of interment still practised by savages. Highest in Eng. at Silbury Hill, Wilts., 170 ft., perhaps a memorial; Long Barrow, West Kennet, Wilts., 336 ft. long, 8 ft. high. Numerous in Scandinavia.

Tunbridge Wells, watering-pl. & health resort on borders of Kent & Sussex; 25,000 inh.

Tungsten, ⁊, wolfram; metall. element found in form of ⊕ *wolframium*, a tungstate of iron & manganese; symb., W; atom. wt. 184, spec. gr. 17·4. Forms several oxides & *tungstic acid; tungstate of sodium* is used for making light fabrics non-inflammable.

Tunicata, *v.* Ascidia.

Tuning-fork, ♆, steel vibratory instrumt. of 2 prongs, w. handle, for giving a note to set pitch, genlly. A or C; invtd. by John Shore, Royal Trumpeter, 1811.

Tunis, smallest of Barbary States, on Medit., E. of Algeria; 44,920 s.m., 1,500,000 inh.; once trib. of Turkish Empire, now informally annexed to Fr.; by Convention 10/7 1882 Fr. administers country & collects taxes in name of Bey, who has civil list of £87,500. Rlys. 258 m., telegs. 1,245 m. Rev. & expenditure *ca.* £930,000, debt £5,650,000. Imports from U. K. £270,000, expts. to U. K. £140,000; total imports £1,200,000, total exports £780,000. Cap. ⊙, T.; 145,000 inh. (includg. 30,000 Jews & 28,000 Christns.); silk & woollen mnfs., &c.; exports grain, oil, wool, & esparto grass; N.E. of the ⊙ is site of Carthage.

Tunnage & Poundage, anct. tax on every tun of wine & lb. of goods (imptd. or exptd.). 1st levied by Edward IV., granted to succeeding monarchs at beginning of reign. Exacted by Chas. I. on his own authority, revived by Chas. II., abolished 1787.

Tunny, ichth., *thynnus thynnus*, abundant in Medit.; sold in Eng. tinned. American T., *Th. secundodorsalis*.

Tunstall, 1] Jas., † & ⚖ /, * 1710, † 72. 2] Cuthbert, *v.* Tonstall.

Tupper, 1] Charles, Canadian statesm., * 2/7 1821 Aylesford, Nova Scotia; Premier of N. S. 64–7, President of Canad. Privy Council 72, Min. of Customs 73, Public Works 78, Rlwys. & Canals 79, K.C.M.G. 79, High Comsnr. in Lond. 84.

2] Martin F., misc. /, * 1810 London. "Proverbial ⚖" 39–44, &c.

Turbary, ♣, right of cuttg. turf on another's land.

Turberville, Geo., Eng. poet. /, * *ca.* 1530, † after 94.

Turbine, ⊕, wheel driven by falling water or water pressure.

Turbot, ichth., *rhombus maximus*, flat fish.

Turenne, Henri de la Tour d'Auvergne, vicomte de, Fr. marsh., * 11/9 1611 Sedan; deftd. Austrs. at Freiburg 44 & Nordlingen 3/8 45, defeated Condé at Arras 25/8 54, won ⚔s of Ensisheim 4/10 74, Mulhausen 31/12 74, Turckheim 5/1 75, † at ⚔ Salzbach 27/7 75; body removed to Church of Invalides 1800. / "Memoirs."

Turgot, Anne R. J., Fr. reformg.

statesm & econ., * 10/5 1727 Paris; Min of Marine 74, of Finance 74–76, † 20/3 81.

Turguenieff, Ivan S, Russ. nov. & misc /, * 9/11 1818 Orel; imprisoned for polit offence 52, † 3/9 83. "Fathers & Sons" 62, "Smoke" 65, "Diary of a Superfluous Man"

Turin, chief ⊙ of Ital. prov. of T, on ⚓ Po; 260,000 inh.; silk mnf, 9th cent. cathedral, univ. founded 1412. Cap of kingdom of Sardinia till 1860, of Italy till 65.

Turkestan, 1] country of Cent. Asia, N.W of Afghanistan; formerly of great extent, being gradually absorbed by Russia & China; now *ca.* 1,250,000 s m 2] Russ. prov carved out of Khanates & deserts of E. half of Cent. Asia 1860–75; 500,000 s.m., exclusive of Bokhara & Khiva. Chf. ⊙, Tashkend, 100,000 inh.

Turkey, Ottoman Empire, emp in Eur, Asia, & Africa; 1,710,000 s m, 32,500,000 inh. Under direct rule 1,145,500 s m., 22,011,000 inh, rest merely acknowledging suzerainty or paying tribute. *Exports:* tobacco (£1,000,000), cereals, fruits, silk, opium, mohair, cotton, coffee, skins, wool, oil-seeds, valonia, carpets, raisins; value *ca* £11,000,000 (to U K. £4,150,000) *Imports:* cotton & woollen mnfs, &c., £18,000,000 (from U K £6,570,000). Reven. & expend *ca.* £14,700,000; debt *ca.* £180,000,000. Peace army *ca* 475,000, war 612,000, w 1,600 guns & 200,000 depot troops, 70,000 garrison, & a Mustahafiz of 300,000; conscription, from wh Christians are exempt on *payment of tax.* ⚓, 65 *steamers,* includg. 15 ironclads; mercantile ⚓ 845 vessels, includg. 85 steamers Rwys 920 m (390 in Asia) Cap. ⊙, Constantinople Autocracy; Sultan rules through Grand Vizier & Cabinet Emp divid into vilayets or governmts., sub-divid into sanjaks or provs., & kazas or distrs. Education general, but limited ♛ Emp. in Asia fnded at end of 13th cent. by Osman or Othman, Turk emir; irruption of Turks into Eur. 1357; Constantinople taken 29/5 1453 Soliman II., Sult. 1519–66, conqrd. Hung. & besieged Vienna; Candia conqrd. 1669, Hung lost 1697; Azov, Morea, Dalmatia, &c, lost 1703–30; Belgrade re-taken 1739, war w. Russ. 1789–1807, 1821, 1877–78. Sultan, Abdul-Hamid II, suc 31/8 1876. *T. in Europe:* 66,500 s m, 4,670,000 inh (excluding Bulgaria, E. Roumelia, & Bosnia, 58,739 s m, 4,320,000 inh.), of these *ca.* 700,000 are Turks, 1,500,000 Albanians, 1,300,000 Grks., Bulgarians, & Wallachians, 2,000,000 Mohammedans *Rs:* Danube (with its affluents), Maritza, Strymon, Vardar, Voyussa, Drin, Narenta *Lakes* Ochrida & Scutari. *Mts:* Rhodope, Pindus, Dinaric Alps, Carpathian. *T in Asia:* Asia Minor, Syria (with Palestine), greater pt. of Armenia, Kurdistan, Mesopotamia (valley of ⚓s Euphrates & Tigris), & W. part of Arabia, w. distr. of El Hasa on E side of Persian Gulf; 680,000 s m, 16,300,000 inh. (excluding autonomous island of Samos, 180 s m, 40,000 inh; & Cyprus, which pays annual tribute); 6,800,000 are Turks, 5,300,000 Syrians & Arabs, 1,000,000 Grks; 12,000,000 Mohams *Mts:* Taurus, Anti-Taurus, Lebanon *Rs:* Euphrates, Tigris, Kizil-Irmak, Yeshil-Irmak, Sarabat, Mendereh, Sihun, Jihoon, Aassy, Jordan. *Lakes:* Van, Bei-sher, Egerdir, Tuzla Gol, & Dead Sea. *T in Africa:* Tripoli & Barka; 399,000 s m, 1,000,000 inh. (excluding Egypt, which pays heavy tribute).

Turkey, ornith., any specs of gen *meleagris,* largst of game-birds. Common T, *M. gallopavo* Ocellated T., *M. ocellata,* with eye like markings on tail-feathers; Honduras & Yucatan Only 1 other specs., *M. mexicana,* resembles *M. gallopavo.* Introd. into Eng. *ca.* 1541, not from Turkey, as was supposed, but from Amer

Turk's Islands, group in Brit. W. Inds, betw. Bahamas & Hayti;

2,000 inh.; salt. Govd., w. Caicos Islands, by Comssr. under Jamaica Govt. since 1874.

Turma, Rom. Ψ, company of cavalry; at first 30, afterw. 32, men.

Turmeric, yellow dye fr. roots of *curcuma longa*, a ginger-plant, nat. of Ind.; a constituent of curry-powder.

Turner, 1. Dawson, ✿ & Ψ, * 1775 Yarmouth; F.R.S. 1802, † 20/6 58. /. 2] Joseph Mallord Wm., greatest Eng. landscape ●, * 23/4 1775 Covent Garden; A.R.A. 09, R.A. 1802, † 19/12 51 Chelsea. Published "Liber Studiorum" 07–19; bequeathd. ●s & drawings to natn. 3] Sharon, ♛ /, * 1768, † 13/2 1847. / "Anglo-Saxons" 1799–1805, "English ♛ during Middle Ages" 14–24, &c. 4] Chas. A., ⚖, * 1833 Devonsh.; Judge in N.W. Provs. of Ind. 66, Chief Justice of Supreme Court at Madras 79, kntd. 88. 5] Wm., †, ✿, & ✿, * 1520; dean of Wells, † 7/7 68. /. 6] Chas. Tennyson (*né* Tennyson), † & poet. /, elder brothr. of Lord Tennyson. "Sonnets" 64, "Small Tableaux" 68, "Sonnets, Lyrics, & Translations" 73.

Turnip, ✿, *brassica rapa* or *B. rapa depressa*, sub-specs. of *B. campestris*; in undeveloped state found wild in Eng. cornfields; introd. fr. Holland 1550; same gen. as cabbage.

Turnip-fly, entom., 2 turnip pests: *athalia centifolia* & *anthomyia radicum*.

Turnstone, ornith., *strepsilas interpres*, plover wh. turns over stones on sea-shore for food; winters in Britain.

Turpentine, ⚗, exudation fr. bark of several specs. of *coniferæ*, esp. *pinus australis*, *P. tæda*, & *P. pinaster*. Distilled in copper stills, T.-oil or essence of T. distils over, resin remaining behind.

Turpentine Tree, ✿, popular name for *pistacia terebinthus*, wh. yields Chio (or Cyprus) T.

Turquoise, ◆, amorphous ◆ found in kidney-shaped masses, blue or bluish-green, w. waxy lustre; hardness 6·0, spec. grav. 2·6–2·83. Compositn.: phosphoric acid 32·6, alumina 46·9, water 20·5 = 100. Best stones found in Persia.

Turret-ship, ⚓, or monitor, warship with its chief armament placed in revolving armoured turret.

Turtle, *v.* Tortoise.

Turtle Dove, ornith., *turtur communis*, summer visitor to south & east coasts of England.

Tuscan Architecture, simpler var. of Doric, w. unfluted cols. & without triglyphs.

Tuscany, formerly grand-duchy of Central Italy, annexed to kingdom of Sardinia 1860; now part of Italian kingdom; ident. w. existing provs. of Arezzo, Firenze, Grosseto, Livorno, Lucca, Massa Carrara, Pisa, & Siena.

Tusculum, anct. ⊙ of Latium, on slopes of Alban Hills, 10 m. S. of Rome; destroyed 12th cent., ⊙ of Frascati in vicinity.

Tusser, Thos., ✓ & poet. /, * 1515, † 80. "500 Points of Good Husbandrie" 73, &c.

Tussilago, ✿, gen. coltsfoot; only 1 spec., *T. farfara*; leaves smoked for asthma.

Tussock Grass (Tussac), ✿, *dactylis cæspitosa*, Falkland Islds., Cape Horn, &c.; green fodder.

Tutti, ♪, Ital. = all; direction for all performers to play.

Tver, chf. ⊙ of Russ. govt. of T., on ⚓ Volga; 40,000 inh.

Twain, Mark, *v.* Clemens, S. L.

Tweed, 1] ○, ⚓ forming, bndary. between Scot. & Eng.; rises in S. of Peebles, near Hart Fell, falls into Germ. Ocean; 100 miles. 2] Kind of wool. cloth of loose texture, orig. manufactured in Scotland.

Tweedmouth, Berwick-on-T. (*q.v.*).

Twelfth-day, *v.* Epiphany.

Twelve Tables, Rom. ⚖, earliest code, compiled by the decemviri & cut on 12 bronze tablets.

Twenty-four Parganas, distr.

of Bengal; 2,536 s.m., 2,700,000 inh Admin headqrtrs, Alipur, suburb of Calcutta.

Twisleton, Edwd T. B, ✓, * 24/5 1809; Chf Poor Law Comisnr in Ireland 39–49, † 5/10 74

Twiss, 1] Sir Travers, jurist, * 19/3 1809 Westminster; prof of polit. econ. Oxf. 42–9, of international ⚖ King's Coll Lond. 52–5, of civ. ⚖ Oxf 55–70, Q C 67

2] Horace, misc. ✓ & polit, * 1787; Colon. Und. Sec 1828, Vice-Chanc. of Duchy of Lanc. 44, † 4/5 49. *Carib Chief* 19.

Two Sicilies, kingdom formed of Sicily & Naples, incorporated in Italian kingdom 1860

Tyburn, place of execution for Middlesex criminals down to 1783, near Hyde Park Corner, London.

Tycho Brahé, *v* Brahe, Tycho.

Tye, Christoph, ♪ & versifier of Acts of Apostles, *ca* 1545.

Tyler, 1] John, Amer. statesm, * 1790 Charlestown, Virginia; Vice-Presdt. U.S.A. 1840, Presdt 41–45, annexed Texas, memb. of Confed. Congress, † 62. 2] Wat *v.* Wat Tyler

Tylor, Edwd. B., anthropol., * 2/10 1832 Camberwell; to Mexico 56, F.R.S. 71, presdt. of Anthropol. Institute 79, keeper of Oxf. Univ. Museum 84. ✓ "Primitive Culture" 71, "Anthropol." 81, &c.

Tympanum, anat, drum or middle chamber of ear, betw. inner end of external auditory canal & labyrinth

Tyndale, Wm., reforming †, * *ca.* 1484 Gloucestersh.; publd. Eng. transl. of New Test. at Antwerp 1526, & translated part of Old Test., imprisoned there 34, strangled & burnt 36. ✓.

Tyndall, John, physicist & ⚗, * 21/8 1820 nr. Carlow, F.R.S. & prof of natural ⚗ in Roy. Institutn. 53, presdt. of Brit Association 74. ✓ "Glaciers of Alps" 60, "Heat" 63, "Fragments of Science" 76, &c.

Tynemouth, ⊙ of Northumberland, on N. bank & at mouth of ⚓ Tyne; 27,000 inh.; includes No Shields, & returns 1 M.P.

Type, 1] in systs. of classificatn. a class w strong genrl. characters. 2] *v* Printing.

Typha, *v.* Bulrush.

Typhoid Fever, ✚, long-continued, non-contagious enteric F., genrlly attend w diarrhœa & eruption of bright rose-red pimples

Typhoon, circular storm comn. on coasts of Tonquin & China, often accompanied by high wave.

Typhus Fever, ✚, contag F., formrly. calld Gaol F, fr. prevlance. in prisons, highest mortal. among adult males, contagn. probably fr. breath.

Tyrconnel, Richd. Talbot, dk. of, statsm.; crtd. earl 1685, duke 89, Lord-Lieut. of Ireld. und Jas II. 86–89, fought for Stuarts in Ireld., † 24/8 91

Tyre, anct. ⊙ of Phœnicia, on Medit, *ca.* 20 m. S. of Sidon; orig. on mainland, afterwards on island half m. fr shore. Stormed 332 B.C. by Alex. the Great, who formd. mole connectng. isld w. mainland. Now *ca* 4,000 inh

Tyrol & Vorarlberg, Austr. prov., N. of Italy, E. of Switz.; 11,824 s m, 920,000 inh.; ▲ous. Chf. ⊙, Innsbruck

Tyrone, Irish co., Ulster prov.; 1,260 s.m., 200,000 inh; rets. 4 M.P.s, E, Mid, N, & S. Chf. ⊙, Omagh; 3,500 inh.

Tyrwhitt, 1] Thos., Eng. crit. ✓, * 1730, † 86. 2] Chas., Brit. offr., * 1817; aide-de-c to D. of Cambridge 56–81, dept.-ranger of Hyde Park 82, † 18/3 86.

Tytler, 1] Wm., Scot. ♛ ✓, * 1711, † 12/9 92. 2] His s, Alex. F., Lord Woodhouselee, ⚖ & ♛ ✓, * 1747, Lord of Session 1802, † 4/1 13. 3] Patrick F, son of 2, ♛ ✓, * 1791, † 24/12 1849. 4] Ann Fraser, ✓ "Leila" &c. 5] C C. Fraser, poet, & nov. ✓. 6] Sarah, pseud. of Miss Keddie, nov. & misc. ✓. "Modern ⊙s," &c

U.

U, 21st letter of alph., vowel. Interchangeable w. V till 16th century.

Überweg, Fried., Germ. ☠, * 22/1 1826 Leichlingen; prof. at Konigsberg 62, † 9/6 71. / "Syst. of Logic" 57, "♛ of ☠ fr. Thales to Present Time" 63–6, &c.

Uchatius, Franz, bar. v., Austr. ✕ offir., * 20/10 1811, † 4/6 81; invented steel-bronze & U. guns.

Udaipur (Mewar), nat. State of Rajputana, India; 11,614 s.m., 1,170,000 inh. Cap. ⊙, U., residence of the Maharanee.

Udal, John, Puritan †, † 1592 Marshalsea prison, wh. he was confined for heresy. / Heb. Grammar.

Udall, Nicholas, schoolmaster & ✆ /, * 1506; master of Eton & Westminster, † 56. *Ralph Roister Doister,* &c.

Uffenbach, 1] Johann F., Germ. lyric /, * 10/5 1687, † 1769. 2] His bro., Zacharias C. v., bibliog., * 22/2 1683 Frankfort; formed large library, † 6/1 1735.

Ughelli, Ferdinando, Ital. ♛ & †, * 21/3 1595 Florence, † 19/5 1670. "Italia Sacra" 43–62.

Uhland, Ludwig, Germ. poet. & ♛ / & polit., * 26/4 1787 Tubingen; memb. of Assembly of Wurttemberg 1819, prof. of German at Tubingen 30–33, membr. of Frankfort Parlt. 48, † 13/11 62 Tübingen. Ballads, &c.

Uhrich, Jean J. Alexis, Fr. genl., * 15/2 1802 Phalsbourg, Alsace; defnd. Strasburg in Franco-German War, retired 72, † 23/10 81. /.

Uist, North, isld. of Outer Hebrides; 118 s.m., 3,400 inh. South Uist, sep. fr. N. U. by Benbecula, 127 s.m., 3,900 inh.

Ukase, edict, legislative or administrative, of Russn. Govt. Collection made 1827, & supplemented annually, constitutes Russn. code.

Ukraine, obsol. subd. of Russ. & S.E. Poland, compr. pres. govts. of Kiev, Poltava, & Kharkhov.

Ule, Otto E. V., Germ. naturlst., * 22/1 1820 Lossow, † 7/8 76 Halle.

Ulema, Turk. corporation consisting of doctors of ☪ (muftis), † ministers (imams), & judges (cadis).

Uller, Scandinav. myth., god of archery & the chase.

Ulloa, Antonio de, Spanish ⚓ offr. & math., * 12/1 1716; captured & brt. to Eng. 44, admit. to Roy. Society, † 3/7 95 Isle of Leon. /.

Ulm, ⊛ of Wurttemberg, on ⚓ Danube; 33,000 inh.; 14th cent. cathed. Mack, w. 30,000 Austrs., surrendered to Ney 20/10 1805.

Ulphilas, Gothic bishop, * 311; transld. most of Bible into Gothic, † 381 Constantinople.

Ulpianus, Domitius, Roman jurist & statesm., slain by soldiers in presence of Severus 228. /.

Ulric, †, patron-saint of fishermen, † 973.

Ulrici, Hermann, Germ. ☠ & critic. /, * 1806 Pforten; prof. at Halle 34. / "Shakespeare's ✆ Art" 39, "God & Nature" 62.

Ulster, most N. of 4 Irish provs., comprisg cos. of Antrim, Armagh, Cavan, Donegal, Down, Fermanagh, Londonderry, Monaghan, Tyrone; 8,560 s.m., *ca.* 1,745,000 inh. Colonised by Eng. 1611.

Ulster Badge, herald., badge of U. prov.; red sinister hand, erect & open. *v.* Red-hand.

Ulster King-at-Arms, chief heraldic officer for Ireland; office created by Edward VI. 1552.

Ultima Thule, farthest Thule; world's-end. *v.* Thule.

Ultimatum (Lat.), final offer or terms prior to hostile proceedings.

Ultramarine, ●, sky-blue pigment, at first obtained from lapis lazuli, now prepared chemically.

Ultramontanism, †, term applied by †s N. of Alps to doctr. of Papal Infallibility, in contradistinct. to Gallicanism, wh. allows infallib. only to General Councils.

Ulug Beg, Tartar prince, math., & ★, grands. of Tamerlane, * 1394, slain by his son 1449.

Ulysses (Grk., Odysseus), Trojan hero, k. of Ithaca, s. of Laertes & Anticleia, husb. of Penelope, fath. of Telemachus; invtd stratagem of Wooden Horse; his journey home aft. war occupd 10 yrs., transformd. by Minerva into beggar, but recognised by his w., slew all her suitors

Uma, Hindu myth., consort of Siva; defeated army of Chanda & Munda, 2 demons.

Umbel, ❀, kind of inflorescence in which pedicles proceed fr single point like spokes of umbrella

Umbelliferæ, ❀, umbellifers, order of plants w. inflorescence in form of umbel (*q. v.*).

Umbreit, Fried., Germ. Hebraist & †, * 1795 Sonneborn; prof. of † Heidelberg 1820, † 60. ✓.

Umritsur, *v.* Amritsar.

Unao, distr. of Lucknow, Brit. India; 1,736 s.m., 950,000 inh.

Uncial Letters, ✓, large capital L s, esp. Grk; differing from older caps in being curved instead of straight, allowing of more rapid writing. Grk U. writing extinct in 10th cent; Latin in 8th

"Uncle Sam," nickname for inhabitant of U.S.A.

Underwriter, ⚓, one who insures ships, & writes his name at foot of the policies. London U s form Lloyd's Society.

Unger, Johann F. G., German engraver, * 1750; prof. in Acad. of Arts, Berlin, † 1804

Ungulata, zool., ord. of hoofed quadrupeds, comprising elephant, tapir, rhinoceros, hippopot., pig, horse, ass, zebra, deer, giraffe, antelope, ox, sheep, goat, camel. Divd into *perissodactyla*, w. toes or hoofs odd in numb; & *artiodactyla*, even.

Unicorn, 1] fab. anim. in Greek & Latin ✓ w. 1 horn. 2] Herald., anim. with horse's head, neck, & body, buck's legs, lion's tail, & long spiral horn in middle of forehead. Appeard. on Scot. royal arms for *ca.* a cent. before union (1603); now the sinister supporter of arms of U.K.

Uniformitarianism, ⚒, Huxley's name for doctr. that present state of earth's crust is due to ordinary causes long continued, instead of convulsions, &c.

Unigenitus, †, Bull issued by Pope Clement XI. 1713 condemng. Quesnel's work on New Testament.

Union, 2 or more parishes consolidated for administratn. of Poor Laws by a board of guardians.

Union, Act of, ♛, (1) uniting Scotland to Eng. 1707, (2) uniting Ireland to Great Britain 1800.

Union Jack, national flag of Unitd Kngdm.. 3 superpd crosses, (1) St. George (for Eng.), red on white ground; (2) St. Andrew (Scotland), white on blue, added 1707; (3) St. Patrick (Ireland), red on white, added 1800. Jack = *jaque* = Crusader's surcoat emblazd. w. St George's cross (*cf.* Jacket). Flag of Admiral of Fleet since 1707; merchant vessels can only carry it with white border.

Unionists, those who oppose any such modif. of Act of Union of 1800 as concessn. to Irish of separate parliament

Unitarians, †, those who hold Godhead to consist of only one Person, the Father. U. Soc. fnded. in England by Lindsey & Priestley 1791; Brit. & For. U. Assocn. 1825. *Ca.* 320 congregs. in Gt. Brit.; many in U.S.A.

United States of America, Fed. repub. of N. America, betw. Atlantic & Pacific Oceans, lat. 25°–9° N. & longitude 67°–124° 30′ W.; 3,003,400 s.m., exclusive of distr. of Alaska (bought fr Russ. 30/3 1867; 577,390 s.m., 36,000 inh.); *ca.* 61,000,000 inh. against 50,152,866 in 1880, thus divided: coloured races 6,580,793, settld Inds. 143,302, unsettled 179,332, Chinese 105,465, Germs. 1,966,742, Irish 1,854,571, Canadians 717,157, Eng. 662,676, Scandinavs. 440,262, Scot. 170,136, Welsh 83,302, other nationalities 519,254; 38 States, 10 organised territories, 1 fed. distr. *States:* Ala-

bama, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, Nevada, New Hampshire, New Jersey, N. York, North Carolina, Ohio, Oregon, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Vermont, Virginia, West Virginia, Wisconsin. *Territories:* Alaska, Arizona, Dakota, Idaho, Montana, New Mexico, Utah, Washington, Wyoming, Indian. *Fed. Distr.:* Columbia. Coast-line 18,200 m. (exclusive of bays & sounds). ⚓s: Mississippi-Missouri, Yellowstone, Nebraska, Arkansas, Ohio, Red, Hudson, Delaware, Susquehanna, Potomac, Savannah, Columbia, Sacramento, Colorado. ⛰s: Rocky, Alleghany or Appalachian, Cascade, Sierra Nevada. Exports, *ca.* £158,000,000, *ca.* 58 % to Great Brit.; imports, *ca.* £125,000,000, ⅓ from Gt. Brit. Rlys. 135,100 m., telegs. 600,000 m. Rev. *ca.* £65,000,000, expenditure *ca.* £52,000,000, debt £270,000,000. Army 27,700, w. 360 guns. Navy 90 vessels (19 ironclad), w. 550 guns; mercant. navy, of 100 tons & over, 400 steamers, 3,450 sailing ships. Supreme Govt. consists of Executive, Legislature, & Judiciary. Executive vested in President (chosen by indirect election for term of 4 yrs.), is comdr.-in-chief of army & navy, chooses Cabinet (subject to approval of Senate), & has veto power (subject to vote of ⅔ of both Houses); salary £10,000. Vice-President is *ex-officio* Presdt. of Senate; succeeds to Presidency if President is disabled; salary £1,600. Legislature: Senate & House of Representatives; latter, w. 325 membs. (salaried), chosen in each State for 2 years by manhood suffrage, 1 for 154,325 inhs.; former, w. 76 membs. (salaried), elected by legislat. of each State for 6 years. Judiciary: Chief Just. & 8 Just.s, apptd. for life by President, with consent of Senate. Each State has its own exec., legislat., & judges; for territories, governor & others, judges, &c., are appointed by President. Presdt., Gen. Benj. Harrison, succ. 4/3 89; Vice-P., Levi P. Morton. Cap. ⊙, Washington, in distr. of Columbia. ♛: first Brit. settlement in Virginia 1607; Pilgrim Fathers landed Mass. 1620; revolution 1773, 1st ⚔ Lexington 75, declaration of independence 4/7 76 & union of 13 States, war ended w. Cornwallis's surrend. 83; constitution framed 89, w. Washington for Presidt.; Texas annex. 1846; New Mexico, Utah, & California acqrd. 48; Civil War 13/4 61–5/6 65; seceding States, S. & N. Carolinas, Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, Virginia, Arkansas, Tennessee; slavery abol. 27/11 65.

Univalves, zool., all *gasteropoda* with shells of 1 valve.

Universal Instrument, reflecting ✳ I. invtd. by P. Smyth.

Universal Prime Meridian, ✳, M. of Greenwich, adopted at Washington 1883.

Universalism, †, doctrine that all men will ultimately be saved.

Unterwalden, 1 of 4 forest cantons of Switz., & 1 of 3 original cantons, S. of Lucerne; ▲ & forest; 295 s.m., 28,000 inh. Cap. ⊙s, Stanz (2,100 inh.) & Sarnen (3,800 inh.).

Unzelmann, 1] Karl W. F., Germ. ♪, * 1/7 1753, † 21/4 1832. 2] His son, Karl W., ♪, * 6/12 1786 Mainz, † by suic. 21/8 1843.

Upas tieute, poison of *strychnos tieute*, Java, applied to arrow-heads.

Upas-tree, ✱, *antiaris toxicaria*, Java; juice a virulent poison, owing to presence of strychnine. Introd. to Brit. hot-houses 1844.

Upcott, Wm., Eng. bibliog. ✓, * 1779, † 1845.

Upsala, chf. ⊙ of Swed. govt. of U.; 16,000 inh.; cathed. founded 1258, univ. 1477 (*ca.* 1,500 students); archbpric.

Upset Price = reserved bid.

Upton, 1] Jas., Eng class. edtr. & †, * 1670, † 1749 2] His son, John, † & editor of Spenser, &c., * 1707, preb. of Rochester, † 60

Ural, 1] ⚓ of Russ.; rises in 2, falls into Caspian Sea; 1,050 m. 2] ⛰ betw. Arctic O & Sea of Aral, 1,330 m; greatest ht. 5,500 ft., ⊕ s.

Urania, Grk. myth., Muse of ★, dau. of Zeus & Mnemosyne.

Uranium, ⚗, hexad metallic element, discovrd. as metall. oxide by Klaproth 1789, 1st obtained as true metal by Peligot 1840; symb., U, at. wt. 120; found in pitchblende & uranite; hard & malleable; sp. gr 18 4. Forms oxides & 2 series of salts: *uranous* (green) & *uranic* (yellow).

Uranus, 1] Grk. myth, personification of heaven; either husb. or son of Ge = Earth: dethroned by Kronos. 2] ♅, Georgium Sidus, Herschel, 7th major planet in ord. of distance fr. sun; mean dist. *ca.* 1,800 milla. of m; revolves rnd. sun once in *ca.* 87 yrs; diam *ca.* 31,700 m., 4 times that of earth, weight 15 times, bulk 64 times; at least 4 satellites: Ariel, Umbriel, Titania, Oberon. Discovd. by Sir W Herschel 13/3 1781

Urban, 8 Popes: 1] I., St.; elected P. 13/10 222, † 23/5 230 2] II, Otho, * Champagne; card. & bp of Ostia 1078, P. 12/3 1088; convened Counc of Clermont, wh. authorised 1st Crusade, † 29/7 99. 3] III., Alberto Crivelli; archbp. of Milan 1182, card. 85, P. 25/11 85, † 19/10 87 4] IV.; bp. of Verdun 1252, P 20/8 61, institd. Feast of Corpus Christi 64, † 22/10 64 5] V., Guill. de Grimoard, * 1309; P 27/9 62, fnded. Acad. of Cracow, removed Papal seat from Avignon to Rome 67–70, † 19/12 70. 6] VI, B. da [illegible]ano, * 1318; archbp. of Bari 70, P. 8/4 78, deftd anti-Pope Clement VII. 79, instituted Feast of Visitation of Virgin, † by poison 15/10 89. 7] VII., Giov B. Castagna, * 4/8 1521; archbp. of Rossano *ca* 53, cardinal 83, Pope 15/9 90, † 27/9 90. 8] VIII., Maffeo Barberini, * 26/3 1568; cardinal 1606, archbp. of Spoleto 08, P. 6/8 23, fnded. College of Propaganda, condemned Jansenius, † 29/7 44. ✓.

Urbi et orbi, Lat = to city (Rome) & world; formula in publication of Papal Bulls.

Urbino, chf ⊙ of Ital. prov of Pesaro U.; 8,000 inh.; archbpric

Urbino, dukes of, 1482–1508, of Italian family of Montefeltro.

Urdan Fount, Scand. myth., F. of Light & Heat.

Ure, Andrew, Scot ⚗, * 1778 Glasgow; prof. there, analyt. ⚗ to Bd. of Customs, London, 1834, † 2/1 57 London. ✓ "Dict. of ⚗" 21, "Dict. of Arts, Manufactures, & Mines" 39

Urea, ⚗, chief organic constit. of urine; can be prepared artific by heatg. solut. of cyanate of ammonium; is compd. of carb., oxyg, hydrog, nitrog, forms colourless transparent prismatic crystals. Removes waste of tissue from body

Uri, a forest canton of Switz, & 1 of 3 original cantons; ▲ & forest, 415 s.m, 24,000 inh. Cap. ⊙, Altdorf.

Uric Acid, Lithic A., ⚗, orgn. A in urine, but more abundant in birds' & serpents' excrements & guano; consists of oxyg., hydrog., carb, & nitrog.; combines w. bases to form series of salts (*urates*). Chalk-stones of gout consist mainly of urate of sodium, wh is also often present in urinary calculi.

Urim & Thummim, Hebr †, things (nature obscure) to be put on high-priest's breast-plate when he enterd. Jehovah's presence; symbs. of light & perfection.

Urinary Organs, anat., (1) kidneys, which secrete urine; (2) ureters or ducts, wh. convey it to (3) bladder, & (4) urethra, by wh. it is evacuated from body.

Urlichs, Ludwig, Germ. philol., * 9/11 1813 Osnabruck; prof. at Würzburg 55. ✓.

Urquhart, 1] David, diplom. & polit., * 1805; sec. of Embassy at Constantinople 35–37, M.P. 47–52, † 16/5 77. ✓ "Turkey & its Resources" 34, "Lebanon" 60, &c.; introd. Turkish bath into England. 2] Sir Thos., transl. of Rabelais, &c., * 1613, † 61.

Ursa, ♃, 1] U. Major, Lat. = Greater Bear; most prominent of 20 anct. Northern constells.; conts. the "pointers;" 7 conspicuous stars with many thousand smaller ones. 2] U. Minor, Lat. = Lesser Bear; constitn. wh. inclds. Pole-star at tip of bear's tail; 7 leadg. stars.

Ursins, Anna M. de la Tremouille, princess des, * 1642; eldest dau. of Louis, dk. of Noirmoutiers; m. (1) Prince Talleyrand-Chalais 59, (2) Duke Bracciano Orsini 75, virtually govd. Spain fr. 1701 until Philip V. m. Elizabeth Farnese, † 5/12 22 Rome.

Ursula, St., legendary British princess, martyred at Cologne.

Urticaceæ, ♨, nettle fam.; *ca.* 43 gen., 500 specs. Inclds. hemp, hop, fig, bread-fruit, mulberry, &c., besides nettles.

Uruguay, S. Amer. repub., on E. coast of Rio de la Plata; lat. 30°–35° S., long. 53° 25′–57° 42′ W.; 72,112 s.m., 580,000 inh., descendants of Span. settlers & of Ital. & other emigrants; Span. language; ⚓ U., w. Rio Negro & other affints. *Products:* pasturage, wheat, barley, maize, gold. Imports from U. K. £1,330,000, expts. to U.K. £420,000; total imports £5,250,000, exports £5,330,000. Revenue *ca.* £2,450,000, exp. *ca.* £2,400,000; debt £2,500,000; army 3,100, w. 30 guns; militia 20,000; navy 5 small steamers. Rlwys. 260 m., telegs. 1,000 m. Cap. ⊙, Monte Video. ♛: formerly Span. depend.; united to Argentine Confed. early 19th cent.; then annexd. by Portug., aftwds. prov. of Brazil; independence declrd. 25/8 1825, recog. by Brazil & Argent. Confed. 18/7 '80; constitutn. framed 31. President Maximo Tagès, elected 19/11 86.

Urumiyah, 1] salt lake of Azerbijan prov., N. W. Pers.; *ca.* 300 m. round. 2] ⊙, 10 m. W. of 1; reputd. birthpl. of Zoroaster; *ca.* 45,000 inh.

Urville, J. Dumont d', *v.* Dumont d'Urville.

U.S., or U.S.A. = United States of America.

Usedom, Prussn. island formg., w. Wollin, outer bound. of Stettiner Haff; *ca.* 150 s.m.

Ushant, isld. off N.W. coast of Fr.; 8 s.m., 2,300 inh. ⚓ ✕ 1/6 1794, St. André defeated by Howe.

Usher (or Usher), Jas., Irish † & chronol., * 4/1 1580 Dublin; bishop of Meath 20–24, archbp. of Armagh 24, to Eng. at Irish rebelln. 41, bp. of Carlisle, preacher at Lincoln's Inn 47, † 21/3 56 Reigate. ✓.

Usury, ⚖, exaction of interest beyond prescribed rate, wh. und. Jas. I. was 8 %, during Commonwealth 6 %, under Q. Anne 5 %. U. ⚖s repealed 1854, save as regards pawnbrokers.

Utah, territory of U.S.A., W. of Colorado, E. of Nevada; 84,970 s.m., 175,000 inh. Organised 1850. Cap. ⊙, Salt Lk. City; 20,000 inh.: fnded. by Mormons 1847.

Utakamand, ⊙ in Nilgiri Hills, distr. of Madras, summer quarters of Governor; *ca.* 10,000 inh.

Uter, Uther, British myth., Silurian pendragon (kg.), who by amour w. Igerna, wife of Gorlois, became father of King Arthur.

Uterine (brother or sister), born of same mother, by difft. father.

Uterus, the womb.

Uti possedetis, Lat. = as you possess. 1] Civ. ⚖, interdict as to heritage. 2] Internat. ⚖, basis of treaty wh. leaves belligerents in possessn. of what they have taken.

Utilitarianism, ⚖, syst. wh. makes Happiness of Mankind the only test of right.

Utopia (= Nowhere), name coind. by Sir T. More 1513 for imag. isld. where everything is perfect.

Utrecht, Dutch prov.; 534 s.m., 200,000 inh. Chf. ⊙, U., on Old

Rhine; univ. founded 1623; Rom. Cath. archbpric., 72,000 inh. *Union of U.* 23/1 1579, Unitd. Provs. of Holl. declared indep. of Spain, *Treaty of U.* 11/4 1713, ended War of Span. Succession.

Uttoxeter, Lord, *v* Gardner.

Uvula, anat., prolongation of soft palate at back of mouth.

Uwins, 1] David, brain ⚕, * 1780, † 22/9 1857. ✓. 2] His bro., Thos., ⚘, * 24/2 1782; A.R.A. 1833, R.A. 38, † 26/8 57.

V.

V, 22nd letter of alph., consonant, interchangeable with U till 16th cent. V = 5; V. = 5,000. *V.* = *vide*, Latin = see; as *v. antea*, *v. supra* = see before, above, *v. infra*, *v. postea* = see below, after. ⚗, V = vanadium. Herald., *V.* = vert. ⚔, *V.* = *versus*, Latin = against.

Vaccination, ⚕, introduction into human frame of matter taken directly or indirectly fr udder of cow suffering fr cow pox, as protective against small pox. Discvd. by Edwd. Jenner *ca* 1798, made compulsory 1853.

Vacciniaceæ, ❀, group of shrubby plants, incldg. cranberry, bilberry, &c., sub-ord. of *ericaceæ*.

Vacuum, space empty even of air, obtained by air-pump, or mercury-pump, or ⚗ly. Perfect V. never yet obtained.

Vade mecum, Lat. = go with me; what can be easily carried.

Valais (Germ. Wallis), S. Swiss canton; 2,026 s.m., 100,000 inh. Chief ⊙, Sion, *ca.* 5,000 inh.

Valdes, 1] Ant., Span. statesm., * 1750, † 1812. 2] Fernando, Span. ✝, archbp. of Seville, genl. of Span. Inquisition 1547. 3] Juan, Span. ⚔ & reformer, † 1540.

Valée, Silvain Chas., count, Fr. ⚒, * 17/12 1773; count 1814, reorganised artill. 15–28, took Constantine 15/10 37, marshal 37, govr. of Algeria 37–41, † 16/8 46.

Valence, chf. ⊙ of Fr. deptmt. of Drome; 24,000 inh.

Valencia, maritt. prov. of E. Spain, 4,350 s.m., 680,000 inh. Chf. ⊙, V., on ⚓ Guadalaviar (or Turia), 13th cent. cathed.; archbpric.; univ. founded 15th cent.; 145,000 inh.

Valenciennes, ⚘ ⊙ of France, Nord department, 23,000 inh.

Valens, Flavius, Rom. Emp. of East, * 328; made Emp. of East by his bro. (Valentinian I.) 28/3 364, deftd. & killed by Goths 9/8 378.

Valentia Island, off S.W. Irld., at mouth of Dingle Bay, 5 × 2 m., 2,500 inh.; term. of 4 Atl. cables.

Valentine's Day (14/2), festival in R. Cath. Ch. of St. V. Custom of sendg. V.s arose fr. anct. notion that on this day birds began to pair.

Valentinian, 8 Rom. Emps. 1] I., * 321, succ. Jovian 26/2 364, made his bro. Valens Emp. of E. 28/3 364, deftd. Alemanni, † 17/11 375. 2] His s., II., * *ca.* 371; succ. 1 (w. his bro. Gratian) 26/11 375, sole Emp. 25/8 383, dispossd. by Maximus (but restored by Theodosius) 388, murd. by Arbogastes 15/5 392. 3] III., son of Constantius III., * 3/7 419; succ. 23/10 425, assassd. by Petronius Maximus 16/3 455.

Valentinus, Gnostic heresiarch at Rome, * in Egypt, † *ca.* 160.

Valerian, Pub. L., Rom. Emp.; succ. Decius 254, deftd. Persians & recovered Antioch, taken by Sapor 260, † in captivity soon after.

Valeriana, ❀, gen. of plants typ. of ord. *valerianaceæ*, esp. *valeriana officinalis*, great wild valerian, root used ⚕ for hysteria, &c., & *V. dioica*, small marsh V.

Valerius Maximus, Rom. ✓, *temp.* Tiberius.

Valetta, cap. ⊙ of Malta, on N.E. coast, ⚘, 16th cent. cathed., university founded 1838; 60,000 inh.

Valhalla, 1] Scand. myth., place of immortality for souls of heroes slain in ⚒, where they feast & drink for ever. 2] Pantheon of Bavaria at Donaustauf, near Ratisbon, for all Germans of renown.

Valkyrs, Valkyries, Scand. mythology, 12 nymphs of Valhalla, who conduct those who † in ⚔ to Valhalla, & there wait on them.

Valla, Laurentius, Ital. schol., * 1407, † 57.

Valladolid, N.W. Span. prov.; 3,043 s.m., 250,000 inh. Chf. ⊙, V., once cap. of Spain; archbpric.; univ. founded 1346; 53,000 inh.

Vallière, Louise F., duchesse de la, a mistress of Louis XVI. of France, * 1644, † 1710 in convent.

Vallisneria, ♨, gen. of aquatic plants w. only 2 specs., *V. spiralis* & *V. alternifolia.*

Vallisnieri, Antonio, Italian naturalist, * 3/5 1661; prof. of ♨ at Padua, F.R.S.E., † 28/1 1730. ✓.

Valona, *v.* Avalona.

Valparaiso, ⚓ ⊙ of Chili, port of Santiago; 180,000 inh.; earthqks.

Vambéry, Arminius, Hungarn. explorer & orientalist, * 1832; to Khiva & Samarcand as dervish 61–64, orient. prof. at Pesth. ✓ "German-Turk. Dict." 58.

Vampire Bat, zool., group *desmodontes;* clings to body of anim., whose blood it sucks.

Vanadium, ♈, rare metallic elemt. found in certain clays & iron ores, & as *vanadates* in a few ⊕s; 5 oxides, 1 of which, the pentoxide, forms vanadic & metavanadic acids, which give rise to salts, *vanadates* & *metavanadates.* Some salts used in preparing aniline black.

Vanbrugh, ♙ & ⊙ ✓, * 1666 Lond.(?); designed Blenheim Palace & Castle Howard, † 20/3 1726 Whitehall. *Relapse* 97, *Provoked Wife* 98.

Van Buren, *v.* Buren.

Vancouver, Geo., Brit. navig., * 1750; explored N.W. coast of Amer. 91, † 10/5 98. ✓.

Vancouver's Island, near W. coast of N. Amer., part of Brit. Columbia; 16,000 s.m., *ca.* 6,000 inh., excludg. Inds. Cap. ⊙, Victoria. Discovd. by V. 1762, secured to Gt. Brit. by treaty with U.S.A. 1846, united to Brit. Columbia 66.

Vandals, Teutonic race origly. inhabtg. S. shore of Baltic; began to trouble Roms. *ca.* 160, conqrd. Spain, w. the Alani & Suevi, 410 & occupied Vandalusia (Andalusia); descended upon Afr. und. Genseric 429, & in 455 upon Italy & took Rome; power then declined, & in 535 their Afr. kingdm. was destryd. by Belisarius.

Vanderbilt, 1] Cornelius, Amer. merchant & rlwy. speculator, * 27/5 1794 Staten Island; † 8/1 77 worth £20,000,000. 2] His son, Wm. Hy., * 1821; inherited £16,000,000 from his father, & increased it by rlwy. speculation, † 8/12 85.

Vandervelde, 1] Wm., Dutch ⚓ ⊕, * 1610 Leyden; to Eng. at invitatn. 75, † 16/12 93 London. 2] His s., Wm., ⚓ ⊕, * 1633 Amsterdam, † 6/4 1707 Greenwich. 3] Adrian, ⊕, * 1636, † 21/1 72.

Van Diemen, Ant., * 1593 Kuilenberg; govr. of Batavia, fitted out 4 expeds.: 1st under Poel & Pietersen 1685, discovd. Van D.'s Land; 2nd under Tasman 1642, discovered S. end of same island, † 45 Batavia.

Van Diemen's Land, *v.* Tasmania.

Van Dyck, *v.* Dyck.

Vane, 1] Sir Hy., statesm., * 18/2 1589; Sec. of State 1640–41, † 54. 2] His son, Sir Hy., statesm., * 1612; to Amer., govr. of Mass. 35, to Eng. 36, M.P. 40, opposed king's exec., but elected to Council of State, imprisd. 60, executed 62.

Vanessa, Swift's name for Miss Esther Vanhomrigh.

Van Eyck, *v.* Eyck.

Vanilla, ♨, gen. typ. of *vanillidæ,* climbing orchids, not parasitic; natives of trop. Asia & Amer. V. of commerce is dried fruit of *V. planifolia* & other specs., Mexico.

Vansittart, Nicholas, statesm., * 1766; M.P. 96, Irish Chief Sec. 1805–6, Chanc. of Exchequ. 12–23, created Lord Bexley 23, Chanc. of Duchy of Lancaster 23–28, † 8/2 51.

Vanucchi, *v.* Andrea V. and Perugino.

Vapereau, Louis G., Fr. biog. ✓, * 4/4 1819 Orleans

Var, dept of S E Fr, on Medit, 2,349 s m., 290,000 inh. Chief ⊙, Draguignan; 8,000 inh

Varanidæ, zool., fam of water-lizards, ord *lacertilia*, ca 30 specs, S. Asia & Africa

Varina, Swift's name for Miss Jane Waryng.

Variola, *v.* Small Pox

Varley, 1] John, water-colour ●, * 1778, † 17/11 1842. ✓. 2] His broth, Cornelius, water-colour ● & ●, * 1781, † 1873; invtd. improvmts. in microscopes, telegraphy, &c

Varna, ⚓ ⊙ of Bulgaria, on Black Sea; 25,000 inh.

Varnishes, thin resinous fluids prepared by dissolving resins (*e g*, copal, anime, mastic, lac) in spirit of wine or in volatile oils.

Varro, Marc. Terentius, Rom. ✓, * 116 B C. Rome, † 26 B C.

Varuna, the Hindu Neptune.

Vasa, *v.* Gustavus 1.

Vasari, Giorgio, biog. ✓, ●, & ▲, * 30/7 1511 Arezzo, † 27/6 74.

Vasco da Gama, *v* Gama

Vatican, Papal palace on V Hill, Rome, built by Pope Eugenius III. (1145–53), since enlarged.

Vatican Council, †, 8/12 1869–20/10 70; decreed Papal Infallibly.

Vattel, Emerich v, Swiss ⚖, * 25/8 1714 Couvet; Privy Counc at Dresden, † there 20/12 67 ✓ "⚖ of Nations" 53

Vauban, Sebast. le P, Fr ⚔ ●, * 15 5 1633 St Leger de Foucheret, besiegd. Mons 91, Namur 92, Charleroi 93, &c., marshal 1703, † 30/3 07 Paris. ✓.

Vaucanson, Jacques, Fr ●, * 24/2 1700, † 21/11 82. Automata.

Vaucluse, deptmt. of S.E. Fr.; 1,370 s.m., 245,000 inh. Chief ⊙, Avignon.

Vaud (Germ. Waadt), W Swiss canton; 1,245 s.m, 240,000 inh Cap ⊙, Lausanne

Vaudeville, ✓ (French), orig. light gay country song; now ♪ into wh comic songs are introd.

Vaughan, 1] Chas. John, †, * 1816; head-mast of Harrow 44–59, master of Temple 69, dean of Llandaff 76 ✓ 2] Herbt., Rom. Cath. †, * 15/4 1832 Glo'ster; founded St. Joseph's For. Missy. Coll., Mill Hill; bp of Salford 72. 3] Hy., ✝ & poet ✓, * 1621 Cardigan, † 95. "Sacred Poems" 50–55 4] Robt., Congreg. †, * 1795; founded *Brit. Quarterly Review*, prof of ♛ Univ Coll. Lond, † 14/6 1868 ✓ "John Wycliffe," &c 5] Sir Wm., Welsh poet ✓, * 1577 Carmarthensh., † 1640 "Gold. Grove" 6] Robt. Alf., Nonconf † & misc ✓, * 1823, † 55.

Vauvenargues, Luc, marq. de, Fr. ⚔ & ✓, * 1715, † 47.

Vaux, Thos., Lord, poet. ✓, * 1510, † 57.

Vedas, most ancient † ✓ of Hindus, divd (in ord. of age) into Rig-Veda, Sama-V, Yajur-V., & Atharva-V. *v.* Brahminism

Vedder, Dav, poet. ✓, * 1790, † 1854 "Orcadian Sketches" 32.

Vegetable Marrow, ✱, a var. of *cucurbita ovifera*, gourd family.

Vehmgerichte, ♛, system of secret tribunals wh. orig in Westphalia in Midd. Ages & spread over Germany, regular admin. of justice having fallen into disorder; last at Celle 1568.

Veins, 1] anat., thin elastic tubes leadg. in extremities of body to heart, to which they carry back blood sent forth by arteries & transferred to them by *capillaries*, wh. connect the two. Divided into (1) pulmonary, (2) systemic, (3) portal. (1) consist of 4 short venous trunks, wh. convey red blood from lungs to left side of heart; (2) arise by small branches, wh. receive blood fr capillaries, unite to form larger vessels, & then 2 large trunks (superior & inferior *venæ cavæ*), finally entering right auricle of heart; (3) bring back blood from stomach, intestines, spleen, & pancreas, then join to form great portal V., which ramifies in surface

of liver before entering heart by inferior *vena cava*. Renal V. returns blood from kidneys; & Iliac V.s, fr. lower portion of trunk & lower limbs. 2] ⚘, ramifications of the petiole in cellular tissue of a leaf, of wh. it is framework; no resemblance in function to 1. 3] ⚒, *v.* Mineral Veins.

Veit, Phil., Germ. ♛ ●, • 18/2 1793 Berlin, † 18/12 1877 Mainz.

Veitch, John, ⁂ & misc. ⁄, • 24/10 1829 Peebles; prof. of logic, &c., Glasgow 64. "Method of Descartes" 50.

Velasquez, 1] Diego R. de Silva y, Span. ●, • 6/6 1599 Seville, † 7/8 60 Madrid. 2] Diego, Span. genl., companion of Columbus, & founder of Havana, † 1523.

Veley, Margaret, nov. ⁄, • 12/5 1843 Braintree, † 7/12 87 London.

Velleius Paterculus, Rom. ♛ ⁄, • 19 B.C.

Vellore, ⚙ ⊙ of Madras, Brit. Ind.; 40,000 inh.

Vellum, fine parchment made of calf-skin.

Velvet, rich silk stuff covered on one side with close short nap. Manf. first mentioned 1272 Italy; extended to Eng. 1685.

Velvet Runner, ornith., *rallus aquaticus*, Water-rail.

Velvet Scoter, ornith., *oidemia fusca*; autumn & winter in Britain.

Velveteen, cotton stuff manufactured in same way as velvet.

Vena Cava, *v.* Veins.

Vendée, marit. dept. of W. Fr.; 2,588 s.m., 420,000 inh. Chf. ⊙, La Roche-sur-Yon.

Vendémiaire (Wine-month), 1st month of Fr. Revolut. Calendr. (22 or 23/9–21 or 22/10).

Vendetta, practice in Corsica, Sicily, Sardinia, Calabria, of revenging murder on relative of murdr.

Vendôme, Fr. ⊙ on ⅄ Loire; 10,000 inh. ⚔ 31/12 1870.

Vendôme, 1] César, dk. of, Fr. stateam., natural son of Hy. IV. & Gabrielle d'Estrées, • 1594; govr. of Brittany, † 22/10 1665. 2] His s., Louis, duc de, ⚔ & †, • 1612; viceroy of Catalonia 49, card. 67, † 6/8 69. 3] Louis Jos., dk. of, ⚔, s. of 2, • 1/7 1654, † 15/6 1712. 4] Phil., ⚔ & †, s. of 2, • 23/8 1655; grand prior of Fr. 93, † 24/1 1727.

Veneer, thin leaf of wood or ivory glued or cemented on another inferior material.

Venesection, ⚡, blood-letting.

Venetian ⅄, var. of Gothic, chiefly found in Italian palaces.

Venetian School, ●, S. fnded. by Titian in 16th cent.; other masters: Giorgione, Tintoretto, & Paul Veronese.

Veneziano, 1] Antonio, Ital. ●, • *ca.* 1310, † 84. 2] Domenico, ●, • 1420, assassd. by fellow-● 76.

Venezuela, most N. count. of S. Amer., 1° 30′–12° 12′ N. lat., 59° 52′–73° 15′ W. long.; a confederacy of 8 States, 1 federal distr., 8 territories, & 2 nation. colonies; 566,159 s.m., 2,150,000 inh. ⛰*s:* Parimé & Sierra Nevada de Merida. *Prodcts.:* gold, coffee, cocoa, hides, cotton, sugar, tobacco, indigo, bark, tallow, dye-woods, timber, copper ores. Rlys. 600 m. Reven. *ca.* £1,220,000, expenditure *ca.* £1,380,000, debt £2,750,000 (besides internal debt of £1,630,000). Impts. fr. U. Kingdom *ca.* £460,000, exports to U. K. *ca.* £150,000; total imports £3,570,000, expts. £7,150,000. †, R. Cath. Cap. ⊙, Caracas; 70,000 inh. ♛*:* Republic fnded. 1831, on model of U.S.A.

Veni, vidi, vici, Lat. = I came, I saw, I conqd.; Cæsar's report of his vict. over Pharnaces at Zela.

Venial Sin, R. Cath. †, S. wh. is a disease of soul, not its death.

Venice, chf. ⊙ of Ital. prov. of V., on Adriatic; built on Rialto & other low islds., & intersected by canals; St. Mark's Cathed. 11th cent., with campanile 320 ft. high 16th cent.; ⚙; Palace of Doges 14th cent.; mnfs. glass, jewellery, silk, laces; chf. export, grain; *ca.* 185,000 inh. ♛*:* fnded. 452; found. of republic 697, govd. by Doges; repub. in 16th cent. incl. present provs. of

Belluno, Padua, Rovigo, Treviso, Udine, V., Verona, Vicenza, Bergamo, Brescia, Cremona, with Dalmatia, Ionian Islands, Candia, Cyprus, &c.; repub. overthrown by Napoleon 1797, to Austria 1815, to Italy 3/10 66.

Venice Turpentine, T. from *terebinthina venetia.*

Venire de novo, Lat. = to come anew; a 2nd trial at common law, granted only on grounds apart from record.

Venire facias, ⚖. Lat. = that you cause to come; writ to sheriff to cause jury to assemble at spec. place, abold. 1852, but term still applied to precept issued in its place.

Venn, Hy., Evang. †, * 1725, † 97. ✓ "Complete Duty of Man."

Venner, 1] Thos., 5th Monarchy fanat., execd. 1661. 2] Tobias, Eng. ♗ ✓, * 1577, † 27/3 1660.

Venning, Ralph, Purit. †, * 1620, † 73. ✓ "Helps to Piety."

Ventilago, ♣, gen. of *rhamnaceæ,* tall climbing shrubs.

Ventôse, 6th month of French Revolut. Calendar (19/2–20/3).

Ventricles, anat., sm cavities; esp. V.s of heart, wh. receive blood fr. auricles & transmit it to lungs & body generally.

Ventriloquism, speaking so as to give impression that sound comes otherwise than fr. speaker.

Venue, ⚖, county or place in wh. action is laid.

Venus, 1] Rom. myth., goddess of love = Grk. Aphrodite; accordg. to Homer, dau. of Zeus & Dione; to later poets, of foam of sea; wife of Hephæstus (Vulcan), but many amours, & bore Æneas to Anchises; worshipped specially in islands of Cyprus & Cythera. Most famous statues are (1) V. of Cnidus, by Praxiteles, burnt at Constantinople 80; (2) V. of Medici, believed to be copy of (1), by Cleomenes of Athens (2nd cent. B.C.), unearthed in 11 pieces near Tivoli 17th cent., & since 1680 at Florence; (3) V. of Milo, fnd. in island of Milos 1820 by Adml. Dumont, now in Louvre. 2] ♀, 2nd planet from sun, & nearest heavenly body to earth except moon; mean dist. fr. sun 67,500,000 m., revolves rnd. sun in 224·7 mean solar days; orbit nearly circular; rotates on axis in 23 h. 21 m. 8 s.; appears alternately as morning & evening star for 6 months each; undergoes phases, like moon; diam. 7,660 m.; atmosphere similar in density to earth's. *v.* Transit.

Venus's Looking-glass, ♣, *specularia speculum,* bell-flower family; native of S. Europe.

Vera Cruz, ⊙ of Mexico, on Gulf of M.; 15,000 inh.

Veratrum, ♣, *V. album,* white hellebore; ℞, emetic & purgat. *V. viride,* green or Amer. hellebore; cardiac, arterial, & nerv. sedative.

Verbascum, ♣, mullein; *V. thapsus,* great; *V. lychnitis,* white; *V. pulverulentum,* yellow hoary; *V. nigrum,* dark; & *V. blattaria,* moth mullein.

Verbatim, Latin = word for word. *V. et literatim* = word for word & letter for letter.

Verbenaceæ, ♣, vervains; ord. of perigynous exogens, trees, shrubs, or herbs, closely allied to *labiatæ,* but ovary is not 4-lobed, & no aromat smell; 45 genera, 663 species. Only Brit. species *verbena officinalis,* common vervain.

Verbum sap., contract. of Lat. *verbum sat sapienti* = a word to a wise man is enough. *V. sat.* has same meaning.

Verd Antique, 1] ♆, green incrustation on anct. brass or copper coins. 2] ⚒, clouded green marble.

Verdi, Giuseppe, Ital. ♫ comp., * 9/10 1810 Roncole; memb. of Ital. Parlt. 61, senatr. 72. Operas: *Ernani* 44, *Rigoletto* 51, *Trovatore* 53, *Traviata* 54, *Macbeth* 65, *Otello* 86, &c.

Verdigris, ♃, green pigment prepared in S. France by exposing thin plates of copper to action of grape-refuse; in Eng., by placing copper plates agst. woollen cloths saturated with pyroligneous acid.

Used in calico-printing, hat-makg., &c., & in ℞ as escharotic.

Vere, Lat. = in truth; really.

Vere, 1] Edwd. de, earl of Oxford, poet. ✓, * 1545, † 24/6 1604. 2] Sir Francis, Eng. genl., * 1554; defend. Ostend 1600, † 28/8 08. 3] Horatio, genl., bro. of 2, * 1565; creat. Baron V. of Tilbury 1625, † 2/5 35. 4] Aubrey Thos. de, poet. ✓, * 1814. "Waldenses" 42, "Saxon Saints" 79. 5] Sir Aubrey de, poet. ✓, * 1788, † 1846.

Verelius, Olaus (Olaf Werl), Swed. ♛ & Ψ, * 12/2 1618; prof. of Swed. Ψs at Upsala 62, † 1/1 82. ✓.

Vereschagin, Vassili, Russ. ⚔ & ●, * 26/10 1842 Tscherepovets; studied under Gérôme at Paris, took part in Kauffmann's Central Asian exped. & Russo-Turk. War.

Vergniaud, Pierre V., Girondist polit., * 31/5 1753, exec. 31/10 93.

Veritas Bureau, shipping association in Paris, similar to Lloyd's.

Verjuice, acid liqr. expressed fr. crab-apples, unripe grapes, &c.

Vermicelli, macaroni made in small tubes.

Vermifuge, ℞, medicine that destroys or expels worms.

Vermigli, Pietro M. ("Peter Martyr"), Ital. reform. ✝, * 8/9 1500; Protest. 42, prof. of ✝ at Strasburg, at Oxfd. 48, at Zurich 56, † 12/11 62. ✓.

Vermilion, ⚗, bisulphuret of mercury, used as pigment in oil & water-col. ●, &c. Found in nature as ore of mercury, carmine-red.

Vermont, N.W. State of U.S.A., adm. to Union 1791; 9,565 s.m., 340,000 inh.; Green ▲s. Cap. ⊙, Montpelier.

Vermontite, ⊕, var. of arsenopyrite containing cobalt.

Vermouth, Vermuth, mixt. of white wine, absinthe, angelica, &c.

Vernal Grass, ✿, the genus *anthoxanthum*, includg. *A. odoratum*, sweet-smelling V. G.

Vernation, ✿, mode in which young leaves lie within leaf-bud.

Verne, Jules, Fr. rom. ✓, * 8/2 1828 Nantes.

Vernet, 1] Claude J., ⚓ & landscape ●, * 14/8 1714 Avignon, † 3/12 89 Paris. 2] His son, Carle, ⚔ ●, * 14/8 1758 Bordeaux, † 17/11 1835 Paris. 3] Jean E. Horace, ⚔ ●, s. of 2, * 30/6 1789 Paris, † there 17/1 1863.

Vernier, ⊕, instrumt. invtd. by P. V., of Brussels, *ca.* 1631, for measuring fractional portns. of one of the spaces into which a scale, graduated instrumt., &c., is divd.

Vernon, 1] Edwd., Eng. adm., * 12/11 1684; took Portobello 1739, † 29/10 57. 2] Robt., fndr. of V. Gallery of ●s at S. Kensington, * 1774, † 22/5 1849.

Vernonia, ✿, large genus of *heterocomeæ*; more than 400 specs.; Western tropics. Seeds of *V. anthelmintica* used in ℞ as vermifuge.

Véron, Louis D., Fr. journal. ✓, polit., &c., * 5/4 1798; member of Corps Legislatif 51, † 7/9 67.

Verona, ⊕ ⊙, cap. of Ital. prov. of V., on ⚓ Adige; 12th cent. cathedral; Rom. ruins; 65,000 inh.

Veronese, 1] Paul (Paolo Cagliari), Ital. ●, * 1532 Verona; settled at Venice, † 19/4 88. 2] Alessandro (A. Turchi), ●, * 1582 Verona, † 1648.

Veronica, ✝ legend. saint who lent Jesus her handkerchief, upon which He impressed His likeness.

Veronica, ✿, *v.* Speedwell.

Verres, Caius, Rom. govr. of Sicily 73–71 B.C., impeached by Cicero, † 43.

Vers de Société, light lyric poetry wh. treats of social topics.

Versailles, Fr. ⊙ in Seine-et-Oise, 10 m. S.W. of Paris; 50,000 inh.; palace built by Louis XIV., convrtd. by Louis Phil. into musm. Occupd. by Pruss. 1870–71; K. Wm. of Prussia proclaimed Germ. Emp. 18/1 71; seat of National Assembly & Republican Govt. till 1880.

Verschuring, Hendrik, Dutch ●, * 1627, † 90.

Verst, Russ. meas. = 0.66 mile.

Vertebræ, the joints or separ-

ate bones of the backbone, which protect spinal cord.

Vertebrata, *v.* Zoology.

Vertigo, ✱, giddiness; often due to pressure on brain-vessels.

Vertumnus, Rom. myth., god of seasons, husband of Pomona.

Verus, Lucius A., son-in-law & coadj. of M. Aurelius, * 130, † 169.

Vervain, *v.* Verbenaceæ.

Vesalius, Andreas, anat., * 31/12 1514 Brussels, † 15/10 64. ✓.

Vesania, ✱, derangement of intellectual & moral faculties without *coma or fever.*

Vesica Piscis, Lat. = fish's bladder; pointd. oval frame in eccles art.

Vesicle, any sac, cyst, or receptacle like a small bladder.

Vesiculæ, ✱, cutaneous diseases in which vesicles occur.

Vespasian, Titus Flav., Rom. Emp., * 17/11 9; consul 51, comd. in Jew. war 66–69, Emp. 69, † 24/6 79.

Vesper, 1] ✶, Venus, or the Evening Star. 2] †, 6th hour of Rom. breviary.

Vespucci, *v.* Amerigo.

Vesta, 1] Rom. myth., goddess of the hearth = Grk. Hestia; represtd. by fire burng. on altar, wh. was attended by Vestals, virgins (at first 4, aftwds. 6), whose service lasted 30 years. 2] Asteroid discvrd. by Olbers 29/3 1807.

Vestalia, annual Rom. festival in honour of Vesta (9/6).

Vestris, 1] Lucia Eliz. (*née* Bartolozzi), comic ♀, * 2/3 1797; marr. M. Vestris (ballet-dancer) 1813, marr. C. J. Matthews 18/7 38, opnd. Lyceum 47, retired 54, † 8/8 56. 2] Franç. R. (Gourgault), Fr. ♀, * 7/4 1743 Marseilles; retired 1803, † 5/10 04.

Vesuvius, volcan. ▲ of Italy, 10 m. S.E. of Naples, *ca.* 4,000 feet. Eruption buried Herculaneum, Stabiæ, & Pompeii 24/8 79; since then *ca.* 60 others. Railway to summit opened 1880.

Vetch, ✱, pop. name for some specs. of *vicia*, esp. *V. sativa*; also for plants resemblg. *vicia*, as *orobus sylvatica*, Bitter V.

Vetturino, Ital., one who drives a carriage, or lends it for hire.

Veuillot, Louis, Fr. Ultramontane ✓ & journalist, * 1813.

Vexillum, anct. Rom. cavalry standard: thence troops serving under a V.

Vexin, Hermann, ♀, * 1829 Philadelph., Germ. parents; 1st appearance 50 (in Eng.), to London 52.

Vi et armis, Lat. = w. force & arms.

Viâ, Lat. = by way (of).

Via Lactea, ✶, Latin = Milky Way (*q. v.*).

Viardot Garcia, Pauline M., ♀ singer, dau. of M. Garcia, & sist. of Malibran, * 18/7 1821; married M. Viardot 40.

Viaticum, R. Cath. †, eucharist given to persons in danger of death.

Vibrissæ, hairs on lips of rodentia, &c.; organs of touch.

Viburnum, ✱, gen. of *caprifoliaceæ;* 2 Brit. specs.: *V. lantana*, Wayfaring Tree; & *V. opulus*, Guelder Rose.

Vicar, *v.* Rector.

Vicar-General, Rom. Cath. †, clerk, usually in orders, w. a degree in canon ⚖, apptd. to assist a bp. In Anglic. Ch., offr. who assists bp. in ecclesiastical causes, &c.

Vicars, 1] Hedley S. J., Eng. offr., * 1826, † before Sebastopol 55. 2] John, Presbyter. zealot, * 1582, † 1652. ✓. 3] Thos., Eng. anat., chief ✱ of St. Thomas's. ✓.

Vicars-Apostolic, R. Cath. †, prelates appointed wh. no episcopate has been establd., or wh. succession has been interrupted. Eng. was govd. by V.s-A. 1685–1850.

Vice versâ, Latin = the turn being changed; contrariwise.

Vicenza, chief ⊙ of Ital. prov. of V.; cathedral; 25,000 inh.

Vichy, Fr. ⊙, Allier deptmt.; 6,500 inh.; celeb. for ♁ waters.

Vici, Andrea, Ital. ▲, * 1744; draind. Pontine Marshes, † 10/9 1817.

Vicksburg, ⊙ of Mississippi, U.S.A., on ⅄ Mississ.; 12,000 inh. Captd. by Grant aft. siege 4/7 1863.

Victor, 1] Claude Perrin, dk. of Belluno, Fr. marshal, * 7/12 1764 Lamarche; genl. of divsn. 99, govr. of Batavia & amb. to Copenhagen, marsh. 07, deftd. Span. 08, deftd. by Wellington at Talavera 09, deserted Napol. 14 & joined Bourbons, War Min. 21–23, † 1/3 41 Paris. 2] Sextus Aurel., Latin ♛ / 4th cent.

Victor Amadeus, dukes of Savoy: 1] I., * 8/5 1587; s. of Chas. Emanuel I.; succ. 1630, generalissimo of Fr. troops in 30 Years' War, † 7/9 37. 2] II., * 14/5 1666; succ. 12/6 75, obtnd. Sicily 1713, resigned it for Sardinia with title of king 20, abdic. 30, † 30/10 32. 3] III., 3rd k. of Sardin., * 26/6 1726; s. of Chas. Emanuel III.; succ. 73, surr. Savoy & Nice to Fr. 96, † 16/10 96.

Victor Emmanuel II., king of Sardinia & 1st king of Ital., * 14/3 1820; eld. s. of Chas. Albt. of Sard.; m. his 1st cous. Archduchess Mary Adelaide 42, in war of 48–9, succ. 23/3 49, joined Allies agst. Russ. 55, to London same year, war w. Austr. 59, ceded Savoy & Nice to Fr. 60, proclaimed k. of Italy 61, liberated Venice 66, Rome 70, † 9/1 78.

Victoria, Rom. myth. = Greek Nikê, sister of Strength & Valour.

Victoria (Alexandrina), Qn. of Grt. Brit. & Irlnd., Empr. of Ind., * 24/5 1819 Kensington Pal.; only child of Dk. of Kent & Press. Louisa Vict. of Saxe-Coburg; succ. Wm. IV. (her uncle) 20/6 37, crowned 28/6 38; her life attemptd. by Oxford 40, Francis 42, Bean same year, Hamilton 49, Maclean 82; marrd. Prince Albert of Saxe-C.-Gotha 10/2 40, to Ireland 48 & 53, proclaimed Empr. of Ind. 1/1 77. 4 sons & 5 daus.:—Vict. A. M. L., * 21/11 40, m. Prince Fredk. of Pruss. 25/1 58; Albert Edwd.; Alice M. M.; Alfred E. A.; Helena A. V., * 26/5 1846, m. Prce. Christn. of Schleswig-Holstein 5/7 66; Louise C. A.; Arthur W. P. A. (*v.* Connaught, Dk. of); Leopold G. D. A. (*v.* Albany); & Beatrice M. V. F. (*whom see*). / "Leaves from Journ. of our Life in Highlands," &c.

Victoria, 1] colony of S.E. Australia, between 34th & 39th parallels S. lat., & 141st & 150th merids. E. long.; coast-line *ca.* 700 m.; 87,884 s.m., 1,020,000 inh. (incl. 12,000 Chinese). *Prodts.:* wool, gold, tin & oth. ⊕s, wheat; *ca.* 11,000,000 sheep. Rev. *ca.* £6,730,000, expend. £6,650,000, debt £33,120,000. Imports fr. U.K. £8,850,000, exports to U.K. £6,500,000; total impts. £18,500,000, exports £11,800,000; rlys. (govt.) 1,800 m., telegs. 10,200 m. Cap. ⊙, Melbourne. Crown Govr., Ministry of 12, Legislative Counc. of 42 (elected for 14 provs.), & Legislat. Assemb. of 86 (for 55 distrs.). ♛: Port Phillip distr. of N. S. Wales until 1851, when it became separate col. Gold discovd. 51; amount raised up to end of 86, 54,393,000 oz. = £217,572,000. 2] Cap. ⊙ of Hong-Kong; 40,000 inh. 3] Cap. ⊙ of Brit. Columbia, on Juan de Fuca Straits; 14,000 inh.

Victoria & Albert, order for women instit. by Q. V. 10/2 1862 in mem. of Prince Consort; enlarged 10/10 64, 15/11 65, & 15/3 80.

Victoria Cross, Brit. ⚓ & ⚔ decoration instit. by roy. warrant 29/1 1856 for "conspic. bravery or devotion" before enemy; carries pension of £10.

Victoria Institute, fnded. 22/6 1865 London, to harmonise Scripture & science.

Victoria Nyanza, lake in E. Central Afr., under Equator, 3,800 ft. above sea-lev.; 29,000 s.m.; discovered by Speke 1858, explored by him & Grant 62, circumnavigat. by Stanley 75. ⅄ Nile issues from N. extremity.

Victoria Regia, ❀, large water-lily; named by Lindley after Qn. V.; nat. of S. American ⅄s.

Vide, Lat. = see.

Vidocq, Franç. J., Fr. detective, * 1775, † 1850. / of autobiog. 29.

Vienna (Germ. Wien), cap. ⊙ of Austr.-Hung. Emp., on right bank of ⅄ Danube, at foot of Wiener Wald; divd. into old & new cities;

round former (containing Imp pal., Goth. cathed., & univ. finded. 1635) is zone 1,300 ft. broad, the *Ring;* the two separated by Ring-strasse, 2 m. × 200 ft; Castle of Schonbrunn is Emp.'s summr pal.; 730,000 inh, or, with suburbs, 1,110,000. ♛ Vindobona of Roms; Peace 18/11 1738, 30/10 1864, 3/10 66; Congress 1814-15, after Napoleon's abdicat held by insurgents & bombarded 48.

Vienne, a central deptmt. of W. Fr.; 2,691 s.m., 340,000 inh. Chf. ⊙, Poitiers; ⚓ V., affluent of Loire.

Vienne, Jean de, Fr. adml; burnt Rye 1377, made descent on Scotland 85, † in ⚔ Bajazet 96.

Vienne, Haute, a central dept. of W. Fr.; 2,130 s.m., 350,000 inh. Chf. ⊙, Limoges; ⚓ V.

Viète, Franç, Fr. math., * 1540, greatly developed algebra, † 1602.

Vieuxtemps, H., violinist, * 20/2 1820 Verviers, † 6/6 81

Vigilius, 1] Afr. bp. & † ✓ of 5th cent. **2]** Pope, elected 22/11 537, † 555.

Vignola, *v.* Barocchio

Vignoles, Etienne de (or De la Hire), Fr. ⚔, * 1390; deftd. the Eng. & (with Joan of Arc) restored Chas. VII., † 1443

Vigny, Alf V., count de, Fr. poet. & misc. ✓, * 27/3 1799 Loches, † 18/12 63 Paris. *Chatterton* 35.

Vigors, Nich. A., Brit. officer, zool., & polit., * 1787 Carlow, † 1840

Viking (Iceland. *víkingr* = creek-dweller), ⚓ freebooter; used esp of Scands. who harried Brit. & Normandy 9th & 10th cents

Villafranca, Ital. ⊙, prov. of Verona; 7,000 inh Peace 11/7 1859, Lombardy ceded to Sardinia.

Villaret, 1] Claude, Fr. ♛ ✓, * 1717 Paris, † 66. **2]** Guill., Grand Master of Knts. of St. John, † 1307. **3]** Foulques, broth. & succ. of **2**; took Rhodes, abdicated 1325, † 29.

Villaret de Joyeuse, Louis T., count, Fr. adml., * 1750; defended Brest agst. Howe 94, retook San Domingo 1802, govr. of Venice 11, † there 24/7 12.

Villari, Pasq., Ital. ♛ ✓, * 1827 Naples; imprisd. 47, prof. of ♛ at Pisa 59, at Florence 66. "Savonarola & his Times" 59-61.

Villars, 1] Dom, Fr. ✠ & ✠, * 14/11 1745, † 27/6 1814. ✓. **2]** Louis H., dk., Fr ⚔ & diplom., * 8/5 1653; amb. to Munich 88, Vienna 99, marsh. 1702, lost ⚔ Malplaquet 09, deftd. Eugene 13, took Milan 33, † 17/6 34. **3]** Montfaucon de, † & preacher, * 1640, † 73.

Villeins, Villains, feudal serfs; class of unfree persons.

Villemain, Abel Franç, Fr. ♛ & misc. ✓, * 11/6 1790 Paris, † there 8/5 1870

Villeneuve, Pierre C. J. B Sylvestre de, Fr. adml, * 31/12 1763 Valensoles; lost ⚔ of Aboukir 98, taken prisoner ⚔ of Trafalgar 1805, † by succ. 22/4 06 Rennes.

Villiers, 1] Chas. P., statesm., * 19/1 1802; supported Anti-Corn-Law movement, M.P. 35, Presdt of Poor-Law Bd 59-66, statue at Wolverhampton 6/6 79. **2]** *v.* Buckingham.

Vimiera, Portug. villg in Estremadura. ⚔ 21/8 1808, Junot deftd. by Dalrymple.

Vincennes, Fr. ⊙, Seine dept.; 20,000 inh.; castle now State prison. ⚔ 29/5 1871.

Vincent, 1] C. E. Howard, polit, ✠, & ⚔ ✓, * 31/5 1849 Slinfold; Direct. of Criminal Investigs. 78-84, M.P. 84, C.B. 86. ✓ "Police Code," &c. **2]** Wm., † & class. schol., * 2/11 1739; headmaster of Westminster 88, dean of Westminster 1802, † 21/12 15. ✓.

Vincent de Beauvais, Fr. Dominican monk & schol., † 1264.

Vincent de Paul, St., French philan. & missy., * 24/4 1576, worked among criminals in galleys at Marseilles, † 27/9 1660. ✓.

Vinci, *v.* Leonardo da Vinci

Vine, ✠, gen. *vitis*, esp. *V. vinifera*, grape-V.; nat. of regn. S of Caspian Sea, &c., as far as N.W. Himalayas;

thrives best on sunny side of hills betw. 32° & 50° N.

Vinegar, dilute solutn. of acetic acid, obtnd. by fermntatn. of wine, malt liquor, &c., under influence of a vegetable organism, *mycoderma aceti*.

Vinegar Bible, printed at Oxfd. 1717; in which "vineyard" is misprinted V. in headline of Luke xxii.

Vinegar Plant, *penicillum glaucum*, fungous mould in saccharine liqs. undergng. acetous fermntatn.

Vinegar Tree, ♃, *rhus typhina*, N. Amer.; juice of fruit used for V.

Viner, Chas., Eng. ⚖, • 1680; endow. Vinerian chair of ⚖ at Oxfd. w. £12,000, † 5/6 1756.

Viol, Viola, 𝄢, *v.* Tenor 2.

Violet, ♃, genus *viola*; incldg. *V. palustris*, Marsh; *V. odorata*, Sweet; *V. hirta*, Hairy; *V. canina*, Dog (or Gerard's); & *V. tricolor*, Pansy Violet, or Heartsease.

Violin, 𝄢, development of the viol; has undergone no improvement since 16th cent.

Viollet-le-Duc, Eugène Em., Fr. △, • 27/1 1814 Paris; restored Ste. Chapelle 40, Notre Dame 45, Abbey of St. Denis 46, † 17/9 79 Lausanne. ✓.

Violoncello, 𝄢, bow instrumnt. of viol class, intermed. betw. viol & double-bass.

Viotti, Giovanni B., Ital. violnst. & 𝄢 composer, • 23/5 1753; to Paris 82, Eng. 91, director of Paris opera 1819–22, † 3/3 24 Brighton.

Viper, zool., any species of *viperidæ*, venom. snakes charact. by large broad head, vertically-elongd. pupil of eye, & sm. scales on top of head; Afr. & S.W. Asia. Inclds. only poisonous Eng. snake, *vipera communis*.

Viper's Bugloss, ♃, gen. *echium*, esp. *E. vulgare*, a forget-me-not.

Virchow, Rud., Germ. pathol., ethnol., & polit., • 13/10 1821 Coslin; prof. of anat. at Würzburg 49, at Berlin 56, leader of Germ. Libris. 60–73. ✓ "Cellular Pathol." 56, &c.

Virgil (Publius Virgilius Maro), Roman poet. ✓, • 70 B.C. Andes (Pietola); to Rome ca. 40, to Greece 19, † 22/9 19 Brundusium or Tarentum. "Bucolics" 41–37, "Georgics" 35–30, "Æneid," publd. posthumously.

Virgin Islands, group in W. Indies; part of Leeward Isles; *ca.* 100; divd. betw. Denmark, Spain, & Grt. Brit.: Brit. (Tortola, Virgin Gorda, Anegada) 64 s.m., 7,000 inh. Discovered by Columbus 1494.

Virginal, 𝄢, anct. stringed instrumnt. played by means of keyboard; *ca.* 3 octaves in compass.

Virginia, State of U.S.A., on Atlantic; cotton, tobacco. ♛: 1st Brit. settlemt. in N. Amer., named by Raleigh aft. Qn. Elizab.; 1 of the 13 orig. States; eastern pt. secedg. 1861, western part became separ. State (W. V.); V. re-adm. to Union 70, but separatn. betwn. the 2 parts maintained. West V. 24,780 s.m., 650,000 inh. (26,000 colrd.); cap. ⊙, Charleston. V. 42,450 s.m., 1,600,000 inh. (640,000 coloured). Cap. ⊙, Richmond.

Virginian Creeper, Amer. Joy, ♃, *ampelopsis hederacea*.

Virginian Deer, zool., *cervus virginiacus*, comm. D. of N. Amer.

Virginian Quail, ornith., *ortyx virginianus*; Canada to G. of Mex.

Virginius, Lucius, Rom. tribune, fath. of Virginia, whom he slew to save her from Appius Claudius, upon wh. decemvirs were deposed & he was chosen 1st tribune.

Virgo (Lat. = Virgin), 6th zodiac. constellatn., betw. *Leo* & *Libra*; 1 star, *Spica*, of 1st magn., 6 of 3rd.

Virtuoso (Ital.), connoisseur of Ψ or the arts.

Vis inertiæ (Lat.), power of resistance to motion in matter.

Vis-à-vis, Fr. = face to face.

Viscera, anat., contents of the great cavities, as skull, chest, abdomen; esp. the entrails.

Viscin, ♃, waxy substance, chf. constit. of bird-lime, extracted fr. stalks, leaves, & berries of mistletoe.

Visconti, noble Ital. fam. supreme at Milan 13th to 15th cents.

Visconti, 1] Gasparo, Ital. poet ✓, * 1461, † 8/3 99. 2] Giuseppe, liturgist, * ca. 1570, † 1668. 3] Ennio Q., class. Ψ, * 1751 Rome, sub-librarn of Vatican, † 1818. 4] Filippo A., bro. of 3, *ibid.*, † 1830. 5] Luigi J., ⚠ at Paris, s. of 3, * 1797 Rome, † 1853 Paris. 6] = Venosta, Em., Italian statesm., * 1830; For. Min 63–64, 69–76.

Viscount, Brit title of nobility, next below earl; 1st conferred in 1440 on John Ld. Beaumont; orig. deputy of an E. (Lat. *vice comes*).

Vishnu, or Krishna, Hindu myth., the Preserver, 2nd of 3 gods of Brahminism; has been incarnate on earth 9 times, 10th yet to come.

Visigoths, Western Goths, *v.* Goths.

Visin, Denis I., Russn ✆ ✓, * 1745 Moscow, † 92.

Vistula (Germ. Weichsel), ⚓ of Eur., rises in Austr. Silesia, at foot of Carpathian ⚠s, runs thro' Galicia, Russ. Poland, Prussia, to Baltic below Dantzic; 490 m.

Vitellius, Aulus, Rom. emperor, * 24/9 15; proclaimed on Galba's death 69, assassd. 69.

Viti, *v.* Fiji.

Vitrified Forts, Ψ, pre-☬ hill-☬s in Scot Highlands & France, w. walls artificially changed partly or wholly into glassy substance.

Vitriol, ⚗, old name for sulphates; still used in commerce. Oil of V. is sulphur. acid; blue V., sulphate of copper; green V., sulphate of iron; white V., sulphate of zinc

Vitruvius Pollio, Marcus, Rom ⚠ & ✕ ☬, * ca. 80 B.C. ⚠ ✓.

Vittoria, chief ⊙ of Span. prov. of Alava; 19,000 inh. ✕ 21/6 1813, Jourdan defeated by Wellington.

Vitus's Dance, St, *v.* Chorea.

Vivâ voce, Lat. = with living voice; orally.

Vivace, ♪, Italian = briskly.

Vivian, Richard Hussey, 1st Ld. Brit. offr., * 1775; served in Penins. War, bart. 1828, peer 41, † 42.

Vivien, Brit myth., woman who tried to seduce King Arthur, & succeeded in seducing Merlin.

Viviparous, zool., term applied to anims. wh prod. young alive.

Vivisection, perform. of operation on living anim Regulatd. by Act of 1876, forbiddg. such operations except to licensed physiologists.

Viz., contractn. of *videlicet*, Lat. = namely.

Vizagapatam, distr of Madras, B Ind; 18,344 s.m., 2,620,000 inh. Chf. ⊙, V.; 33,000 inh.

Vizier, polit. title in Mohamm. States; in Turkey, head of each ministerial department, & all pashas of 3 tails, Prime Minister being Grand V

Vladimir, grand-dks. of Russ.: 1] I. ("the Grt."), St., s of Sviatoslaf I; united dominions, † 1015. 2] II ("Monomach"), great-grandson. of 1, * 1053, † 19/5 1126.

Vladislas, *v.* Wladislas.

Vogel, Edw., Germ. ✕ & Afr explor., * 1829 Leipzig, murd 56 Wara.

Vogel von Falckenstein, *v.* Falkenstein.

Vogl, 1] Johann N, lyr. ✓. * 2/11 1802 Vienna, † there 16/11 66.

Vogt, Karl, zool. & materialist. ⚗, * 5/7 1817 Giessen; prof. of zool. there 47, at Geneva 52. ✓.

Volapük, suggested univ. language, invented by J. M. Schleyer, of Constance, 1885.

Volcanoes, hills wh. emit steam & other gases, & are subject to occasional eruptions of rock, fine dust, lava, &c.; total number, from 300 to 350; two-thirds on islands.

Vole, zool, gen. *arvicola* of small rodents, same fam (*muridæ*) as rats & mice; ca. 50 species.

Volga, ⚓ of Eur. Russ.; flows fr. Valdai Hills to Caspian; 2,200 m.;

Volney, Constantin F. C., count de, Fr. ⚗ & trav., * 3/2 1757 Craon; to Egypt & Syria 82–86, † 25/4 1820. ✓ "Ruins of Empires" 1794, &c

Volta, Aless., count, Ital. physicist, * 19/2 1745 Como; prof. of nat. ⚗ at Pavia, invntd. electrophorus

75, hydrogen lamp 77, voltaic pile 93, † 5/3 1827. ⁄.

Voltaire, Franç. Marie Arouet de (Arouet), Fr. ♗, ♛, ☉, & poet. ⁄, * 20/2 1694 Châtenay, nr. Paris; in Eng. 1726–28, in Pruss. 50–53, settled at Ferney, & wrote largely for "Encyclopédie," † 30/5 78 Paris; buried at Scellières, body removd. to Panthéon 91. "Henriade" 28, "Chas. XII." 30, "Louis XIV.," "Pucelle d'Orléans" 55, *Zaïre*, *Mérope*, &c.

Volti subito, ♆, Ital. = turn (over) quickly.

Volunteers, in Gt. Brit., first enrolled 1859 to meet threatened French invasion; now number *ca.* 220,000; total charge £840,000.

Vondel, Joost van den, Dutch ☉ & poet. ⁄, * 17/11 1587, † 5/1 1679. "Lucifer," &c.

Voragine, Jac. de (G. Varaggio), Ital. † & ⁄, * *ca.* 1230; archbp. of Genoa, † 14/7 98.

Vorarlberg, v. Tyrol & V.

Vosges, N.E. Fr. deptmt.; 2,266 s.m., 410,000 inh. Chf. ⊙, Epinal; 11,000 inh. Divd. fr. Alsace-Lorraine by V. ⛰.

Vossius, 1] Gerrit Jan, Dutch philol., * 1557, † 17/3 1649. ⁄. 2] His s., Isaac, philol., * 1618; canon of Windsor 70, † 21/2 89. ⁄.

Voussoirs, stones of wh. arch is composed.

Voysey, Chas., theistic †, * 18/3 1828 London; silenced in Ch. of Eng. 71. ⁄.

Vries, Hans F. de, Dutch ●, * 1527, † 1604.

V.S., ♆ = Volti subito (*q.v.*).

Vulcan, Rom. myth., god of fire = Grk. Hephæstus; s. of Jupiter & Juno. Husband of Venus.

Vulgate, †, Latin version of Scriptures by Jerome 385–405, partly fr. Latin version called Old Italic.

Vulture, ornith., family *vulturidæ*, divd. into *vulturinæ* Old World V.s, nostrils divided by bony wall; & *sarcoramphinæ*, N. World V.s, 25 species, wide distribution.

W.

W, 23rd letter of alph., formed of 2 V's (U's); vowel & semi-vowel. W. = West.

Wace, 1] Hy., †, * 10/12 1836 London; Boyle lect. 74, 5, Bampton 79, prof. of eccles. ♛ King's Coll. Lond. 75, preb. of St. Paul's 81, principal of K.'s Coll. 83. ⁄.
2] Robt., Anglo-Norm. poet. ⁄ 12th c., * Jersey. "Brut d'Angleterre."

Wachsmuth, Ern. W. E., Germ. ♛ ⁄, * 28/12 1784 Hildesheim; prof. at Leipzig, † 23/1 1866.

Waddington, 1] Wm. Hy., Fr. statesm. & ♆ ⁄, * 11/12 1826 Paris, of Eng. fath.; educated at Rugby & Camb., memb. of Fr. Acad. of Inscriptns 65, Min. of Pub. Instructn. 73 & 76, senator 76, For. Min. 76, plenipo. at Berlin Congr. 78, Prem. 79, amb. to Eng. 80. 2] Geo., Eng. † & ♛ ⁄, * 1793; dean of Durham, † 20/7 1869. "Ch. ♛" 33.

Wade, 1] Thos. F., diplom., * 1818; Chinese sec. at Hong-Kong 55, chargé d'affaires Pekin 64–5, 69–71, envoy to China 71, K.C.B. 75. 2] Thos., poet. ⁄, * 1805.

Waders, ornith., pop. name for plovers, snipes, & sandpipers.

Wadham, Nich., founder of W. Coll. Oxf., * 1536, † 20/10 1609.

Wady (Arab. *wâdî*), watr.-course.

Waghorn, Thos., Brit. ⚓ offr., * 1800; projected overland route to India 27, pensioned, † 7/1 50.

Wagner, 1] Heinrich L., Germ. poet. ⁄, * 19/2 1747 Strasburg, † 4/8 79. 2] Johann M. v., ☉, * 24/6 1777 Würzburg, † 8/8 1858 Rome. 3] Rud., ♯, * 30/6 1805 Baireuth; prof. at Gottingen, † 13/5 64. 4] Richd., ♆, * 22/5 1813 Leipzig; chorus-mast. at Würzburg Theatre 33, Magdeburg 44, Riga 38, conduct. of Roy. Opera, Dresden, 42, exiled 49, m. Cosima v. Bülow (*née* Liszt) 70, to Baireuth 72, † 13/2 83 Venice. Comp. *Tannhäuser*, *Lohengrin* 50, *Tristan u. Isolde* 65, *Rheingold* 69, *Walküre* 70, *Siegfried* & *Götterdämmerung*

76, *Parsifal* 82. ✍. 5] His niece, Johanna, ⊙ ✍ at Munich, * 13/10 1828 Hanover.

Wagram, Austr. villg. on Russbach. ⚔5–6/7 1809, Austrians deftd. by Napoleon.

Wagtail, ornith., group of fam. *motacillidæ*; *ca.* 30 species.

Wahabis, †, sect of strict fanat. Mohamms., fnded. *ca.* 1760.

Waifs, ⚑, 1] ownerless goods. 2] Stolen goods thrown away by thief in flight, forfeited to Crown till thief be convicted.

Waitz, 1] Georg, Germ. ♛ ✍, * 9/10 1813 Flensburg, † 86. 2] Theod., ☕, * 17/3 1821 Gotha, † 21/5 64 Marburg.

Wake, 1] Wm., †, * 1657; bp. of Lincoln 1705, archbp. of Canterbury 15, † 24/1 37. ✍. 2] Sir Isaac, polit. & misc. ✍, * *ca.* 1575, † 1632.

Wakefield, ⊙ of Yorks., West Riding; 30,000 inh.; rets. 1 M.P.; bpric. fnded. 1888. ⚔ 31/12 1460.

Wakefield, 1] Edwd. Gibbon, polit. ✍, * 20/3 1796 London, † 16/5 62. 2] Gilbert, Nonconf. † & ✍, * 22/2 1756; imprisd. 99, † 9/9 1801.

Walcheren, isld. of Netherlnds., between E. & W. Scheldt; 81 s.m., 45,000 inh. Occupied by Brit. 1809.

Waldeck, principal. of N. Germ., w. local independ.; 466 s.m., 57,000 inh.; divd. into W. proper & Pyrmont. Cap. ⊙, Arolsen: 2,500 inh.

Waldeck, B. F. L., Pruss. polit., * 31/7 1802 Münster, † 12/5 70 Berlin.

Waldemar, 4 k.s of Denmark: 1] I. ("the Great"), * 1131; succ. 47, conqd. Mecklenb., W. Pomer., & S. Norway, † 81. 2] His s., II. ("Victorious"), * 1170; succ. 1202, † 41.

Walden, Thos. (Netter) of, monk, † & ☕ ✍, * *ca.* 1380, † 2/11 1430.

Waldenses, †, community in Piedmont valleys, orig. by P. Waldo (or Valdo) *ca.* 1160; persecn. began 1184; disabilities removed 1848.

Waldmüller, Robt., Austr. ⊙, * 1793 Vienna, † there 23/8 1865.

Wales, W. part of island of Gt. Brit.; 7,878 s.m., 1,400,000 inh. ▲s: Snowdon, Cader Idris, Brecknock Beacon, Plynlimmon. ⚓s: Severn, Dee, Dovey, Teify, Towey, Taff, Romney, Usk, Wye. *Prods. & mnfs.*: copper, coal, gold, iron, flannel, cloth, hosiery. Divd. into 12 cos. *v.* Great Britain & England.

Wales, Prince of, *v.* Albert 4.

Walewski, Alex. F. J. C., cnt., Fr. statesm., natl. s. of Nap. I. & Ctess. Walewska, * 4/5 1810; For. Min. 55–60, Min. of State 60–63, Presdt. of Corps Législatif 65–67, † 27/9 68.

Walford, Edwd., miscellaneous ✍, * 1828.

Walhalla, *v.* Valhalla.

Walker, 1] Fredk., landsc. ⊙, * 1840 Marylebone; A.R.A. 71, † 4/6 75. 2] Geo., † & patriot, * Tyrone; defend. Londonderry 1689, bp. of Derry, † ⚔ Boyne 1/7 90. 3] John, philol., * 18/3 1732, † 1/8 07. ✍ "Pronouncing Dictionary." 4] Sir Edward, diarist, † 1677.

Wallace, 1] Alf. Russel, naturalist, * 8/7 1822 Usk; to the Amazon 48, in Malays 54–62, worked out "natural selectn." simultanaly. w. Darwin. ✍ "Contribtns. to Theory of Natl. Selectn." 71, &c. 2] Robt., journ. ✍ & polit., * 24/6 1831 Fifeshire; prof. of † ♛ Edinb. 72, edtr. of *Scotsman* 76–80, M.P. 86. 3] Wm. Vinct., ♪, * 1814 Waterford, † 12/10 65. *Lurline* 60, *Maritana* 65, &c. 4] Sir Wm., Scot. patr., * *ca.* 1270; won ⚔ Stirlg. 11/9 97, deftd. at Falkirk by Edwd. I. 22/7 98, hanged 23/8 1305 W. Smithfield. 5] Sir D. M., journ. & misc. ✍, * 1841. "Russia" 77.

Wallachia, *v.* Roumania.

Wallenstein (or Waldstein), Albr. Wenz. v., duke of Friedland, * 15/9 1583 Hermanic, Bohemia; qr.-genl. of Imp. army in 30 Years' War 1618, comdr. of volunteer army 25, defeated ⚔ Lützen by Gustav. Adolph. 15/4 32, assass. 25/2 34 Eger.

Waller, 1] Edm., poet. ✍, * 3/3 1605 Coleshill, † 21/10 87 Beaconsfield. 2] Sir Wm., Parly. genl. & stateam., * 1597; memb. of Couc., 1660, † 19/9 68. ✍. 3] John F., poet. & misc. ✍, * 1810.

Wallflower, Gillyflower, ♣, pop. name for *cheiranthus cheiri.*

Walloons, descendts. of Gallic Belgæ, in Belg. & Rhenish Prussia.

Walnut, ♣, *juglans regia;* introduced from Persia 16th century.

Walpole, 1] Sir Robt., British statesman, * 26/8 1676 Houghton; War Sec. 1708–10, Treas. of ⚓ 10–11, Paym.-Genl. 14–15, 20–21, Prem. & Chanc. of Exchcq. 15–17, 21–42, E. of Orford 42, † 18/3 45. 2] His 3rd s., Horace, statesm., Ψ, & misc. ✓, * 5/10 1717; succ. as earl 91, † 2/3 97. "Castle of Otranto" 65, "Letters." 3] Spencer Horatio, ♃ & statesm., * 1806; Q.C. 46, Home Sec. 52, 58, 66, chairman of G. W. Rlwy. 56, M.P. 56–82.

Walpurgis-night, German myth., witches' festival, eve of 1/5.

Walrus, Morse, zool., pop. name for fam. *trichecidæ;* only 1 specs., marine mammal; N. polar regions.

Walsall, ⊙ of Staffs.; 60,000 inh.; returns 1 M.P.

Walsh, 1] John H., ✓ on sports, * 21/10 1810 Hackney; ed. *Field* 57–88, † 12/2 88. 2] Wm., poet. & crit. ✓, * 1663, † 1709. 3] Dr., R. Cath. †, * 1841 Dublin; prof. of † Maynooth 67, vice-presdt. 78, aftwds. presdt., archbp. of Dublin 85.

Walsingham, 1] Lord, *v.* De Grey. 2] Sir Francis, Brit. statesm., * 1536 Chislehurst; amb. to Fr. 61, Sec. of State 73, Chanc. of Duchy of Lanc. 86, † 6/4 90.

Walter, 1] John, polit., * 1773; joint propr. (w. his fath.) of *Times* 1803, M.P. 32, † 47. 2] His s., John, * 1818 London; suc. his fath. 47, M.P. 47. 3] Hubert, † & statesm.; dean of York 1186, bp. of Salisbury 89, archbp. of Canterby. 93, Lord Chanc. 99–1205, † 13/7 05.

Walton, 1] Izaak, angler & misc. ✓, * 9/8 1593 Stafford, † 15/12 1683 Winchester. "Compleat Angler" 53. 2] Brian, *v.* Polyglotta.

Waltz, ♪, dance in ¾ or ⅜-time, with 8- or 16-bar phrases.

Wandering Jew (Ahasuerus), in legend, a Jew cond. to wander till Christ's return for insulting Him on way to Calvary.

Wapentake, divsn. of Yorksh. (& formerly of other N. cos.) corresponding w. hundred in S. cos.

Wappers, Egide C. G., Belgian ☻, * 1803; dir. of Acad. of Fine Arts, Brussels, 46–53, baron 47, † 74.

Warbeck, Perkin, * Tournay; personated Richd., s. of Edw. IV.; deftd. in Kent 95, landed Cornwall 97, prisoner 98, hanged 23/11 99.

Warblers, ornith., sub-family *sylviadæ* of passerines; *ca.* 20 Brit. species.

Warburton, 1] W., †✓, * 24/12 1698 Newark; bp. of Glo'ster 1760, † there 7/6 79. 2] Eliot B. G., nov. & misc. ✓, * 1810, † 52.

Ward, 1] Artemus (Chas. F. Browne), Amer. humor. ✓, * 1834 Waterford, Maine; to Eng. 66, † 67 Southampton. 2] Edwd. M., ♛☻, * 1816 Pimlico; A.R.A. 46, R.A. 55, † by suic. 15/1 79. 3] Jas., animal ☻, * 23/10 1769 Lond.; A.R.A. 1807, R.A. 11, † 16/11 59. 4] Robt. P., nov. & misc. ✓ & statesm., * 19/3 1765 Spain; Und. For. Sec. 1805–6, Ld. of Adm. 07–11, † 13/8 46. 5] His s., Hy. G., statesm., * 1798; Sec. to Adm. 1846, govr. of Ionian Isles 49–55, of Ceylon 56, of Madras 60, † 2/8 60. 6] Wm. G. ("Ideal W."), R. Cath. †, * 1812; ed. *Dublin Review,* † 82. 7] Thos., R. Cath. ✓, * 1652, † 1708.

Wardha, distr. of Cent. Provs., Brit. Ind.; 2,401 s.m., 360,000 inh. Chf. ⊙, W.; *ca.* 3,000 inh.

Wardlaw, Ralph, Scot. Congreg. †, * 22/12 1779, † 17/12 1853. ✓.

Warham, Wm., † & statesm., * 1460; bp. of London 1502, Great Seal 02–04, archbp. of Canterby. 04, Chanc. 04–15, † 23/8 32.

Warner, 1] Chas. Dudley, Amer. humor. ✓, * 12/9 1829 Plainfield, Mass. 2] Anna B., Amer. nov. ✓; "Vinegar Hill" 71, &c. 3] Wm., Eng. poet. ✓, * 1558, † 1609.

Warre, Edm., * 1836; assistant mast. Eton 60, head-master 84.

Warren, 1] Chas., ⚔ ⊕, * 1840; col. 82, excavatns in Palestine 67–70, spec. commsr in S. Afr 76–80, 84–85, Chf Commissioner of Metropol. Police 86, K.C.B. 88. 2] Saml., nov. / & ⚖, * 23/5 1807; Q.C. 51, Record of Hull 52, Mast. in Lunacy 59, † 29/7 77. "Ten Thousand a Year" 41. 3] Hy., ⊕, * 24/9 1798 London, † 18/12 79. 4] John L., ◯ & poet. /; Orestes 1871, &c.

Warrington, ⊙ of Lancs, on Mersey; 50,000 inh.; rets. 1 M.P.

Warsaw, chf. ⊙ of Russ. Poland (cap of Pol. kingdom till 1795), on Vistula; cathed., archbishopric, univ. founded 1816; 400,000 inh.

Warton, 1] Jos., poet. & misc / & †, * 1722; head-master of Winchester 66–93, † 23/2 1800. 2] His bro., Thos., poet. /, * 1728 Basingstoke; prof. of poet. at Oxford 57, poet-laur. 88, † 21/5 90

Warwick, a midland Eng. co; 885 s m., 750,000 inh.; rets. 4 M.P.s: N. (Tamworth), N.E. (Nuneaton), S.W. (Stratford-on-Avon), S.E. (Rugby) divns. Chf. ⊙, W, on ⚓ Avon; 12,000 inh.; with Leamington rets. 1 M P.

Warwick, Earls of: 1] Guy de Beauchamp; suc. 1298, execd. Piers Gaveston 1312, † 12/8 15 2] Richd. de Beauchamp, * 28/1 1381; succ. 1401, won ⚔ Shrewsbury 23/7 03, regent of Fr 87, † 30/4 39 Rouen. 3] Rd Neville, earl of ("Kingmaker"), * *ca.* 1420; eldest s. of Richd. earl of Salisbury; became Earl of W. by marriage 49, made Edwd. IV. king 4/3 61, won ⚔ Towton 29/3, deposed Edwd IV & restrd. Hy. VI. 9/9 70, † at ⚔ Barnet 14/4 71.

Wash, arm of Germ. Ocean betw. Norfolk & Lincoln; 22 × 15 m.

Washington, 1] cap. ⊙ U.S A, on Potomac ⚓, Columbia district, 150,000 inh. Capitol & other publ. bldgs. Founded by Geo W 1791; cap. of repub 1800 2] Since 1853 a territory of U.S.A., on Pacif, betwn. Brit Columbia & Oregon; 69,180 s.m., 76,000 inh. Cap. ⊙, Olympia.

Washington, George, Amer. statesm. & genl., fndr of American indep & constit, * 22/2 1732 Westmoreland, Virginia; command.-in-chief of Amer. forces 75, resigned 23/12 83, 1st Presdt of U.S.A 6/4 89, re-elect 4/3 93, refused 3rd term, † 14/12 99 Mount Vernon, Virginia.

Wasp, entom, gen. *vespa*; females & neuters have stings, largest Brit spec., hornet.

Wat Tyler, insurgt in reign of Richd. II; slain 15/6 1381 London.

Water, ♁, H_2O, covers *ca.* ¾ of surface of globe; a constit. of most anim & veget organisms; can be formed artif. by mixing oxygen & hydrogen & applying a light; boils at 212° & is converted into steam; expands under heat, or if temp. sinks below 39 2°; freezes at 32°. ⊕ W s are *alkaline, chalybeate,* or *sulphuretted.*

Water-brash, Pyrosis, ♃, vomiting of small quantity of watery fluid, genlly. caused by indigestn.

Water-cress, *v* Nasturtium.

Water-flea, zool, gen. *daphnia,* small fresh-water bivalves.

Waterford, marit. co. of Munster, Ireland; 721 s m., 115,000 inh; rets. 2 M P.s, W. & E. divns. Chf ⊙, W.; 23,000 inh; rets. 1 M.P.

Water-hen, *v* Moor-hen.

Waterhouse, Alfred, ⚓, * 19/7 1830 Liverpool; designed Manchester Courts & Town Hall, Eaton Hall, Nat. Liberal Club, Natl. ♛ Museum, &c; A.R.A. 78, R A. 85.

Waterland, Daniel, Eng. † /, * 1683, † 23/12 1740.

Water-lily, *v. Nymphaeaceæ* & Victoria Regia.

Waterloo, village of Belg., 8 m. S E of Brussels. ⚔ 18/6 1815.

Water-ouzel, *v.* Ouzel.

Waterspout, conical mass of condensed vapour which descends w whirling progressive motion fr. cloud; if formed over sea, similar mass of water rises up to meet it.

Waterton, Chas., naturalist, * 12/6 1782 Wakefield, † 27/5 1865. /.

Watson, 1] Jas., Scot. journ /, *

1675, † 1722. 2] Richd., †, * 1737; bp. of Llandaff 82, † 4/6 1816. 3] Richd., Nonconf. † & ✓, * 1781, † 1833. 4] Robert, Scot. ♛ ✓, * 1730, † 80. 5] Thos., †; bp. of Lincoln 1557, † *ca.* 82. ✓. 6] Thos., poet. ✓, * 1560, † 92 7] Musgrave L., ☉, * 1804 Cumberland, † 66.

Watt, 1] Jas., ⊕ & ⚗, * 19/2 1736 Greenock; invt. separ. condenser, improved steam engine, partner w. Boulton at Birmingham 74, † 25/8 1819. 2] His s., Jas., ⊕, * 1769, † 2/6 1848. 3] Robt., † & bibliog., * 1774, † 12/3 1819.

Watteau, Jean A., Fr. landscape ●, * 10/10 1684 Valenciennes, † 21/12 1721 Nogent.

Watts, 1] Alaric, poet. & misc. ✓, * 19/3 1797, † 5/4 1864. 2] Thos., bibliog. & philol., * 1811, † 9/9 69. 3] Geo. F., ●, * 1820 London; R.A. 67, presented ●s. to nation 86. 4] Theo., poet. & critic. ✓, * 1836 St. Ives. "Aylwin," &c. 5] Isaac, Nonconf. † hymn ✓, * 17/7 1674 Southampton, † 25/11 1748 Stoke Newington. "Psalms & Hymns," "Logic," &c.

Waugh, Edwin, poet. & misc. ✓, * 1817. "Lancashire Songs."

Wauters, Émile, Belg. ● & ✓, * 1846 Brussels.

Wax, Beeswax (compnd. of myricin, cerotic acid, & cerotein); or any simil. subst. *v.* Sealing-wax.

Waynflete, Wm. of, 1st provost of Eton 1440, bp. of Winchester 47, Chanc. 56–60, fnded. Magdalen Coll. Oxford 56, † 11/8 86.

Wealden Formation, ⚒, series of rocks mainly develpd. in Hants, Dorset, & Isle of Wight.

Weasel, zool., fam. *mustelidæ*, incl. W. proper (*putorius vulgaris*), marten, polecat, stoat, mink, ferret.

Weaver, John, Ψ, * 1576, † 1632.

Weaver Bird, ornith., passerine family *ploceidæ;* Africa, S. Asia, Austral. Nests woven of grass.

Webb, Matth., * 1848 Dawley; swam Eng. Channel in 22 hours 24–25/8 75, drowned 24/7 88 Niagara.

Weber, 1] Karl M. v., Germ. ♪, * 18/12 1786 Eutin, Holstein; theat. dir. at Prague 1813, opera dir. at Dresden 17, † 5/6 26 London. *Sylvana* 10, *Preciosa* & *Der Freischutz* 21, *Euryanthe* 25, *Oberon* 26. 2] Karl J., ✓, * 16/4 1767 Langenberg, † 20/7 1882. 3] Ern. H., ♯, * 24/6 1795 Wittenberg; prof. at Leipzig, † 26/1 1878. ✓. 4] Ed. F., ♯, * 10/11 1806 Wittenberg; prof. of physiol. at Leipzig, † 15/5 71. 5] Max Maria, biog. of 1, * 1822 Dresden, † 18/4 81 Berlin.

Webster, 1] Benj. N., ☉, * 3/9 1800; blt. Adelphi Theatre 58, † 82. 2] Danl., Amer. statesm., ⚗, & orator, * 18/1 1782 Franklin, N. Hampshire; Sec. of State 41–43, 50–52, deftd. for Presidency 48 & 52, † 24/10 52. 3] Noah, Amer. lexicog., * 16/10 1758, † 28/5 1843. 4] John, Eng. ☉ ✓ 17th cent. *Duchess of Malfi*, &c. 5] Richd., ⚒, * 22/12 1842; Q.C. 76, M.P. 85, Att.-Genl. 86. 6] Thos., ●, * 1800 Pimlico; A.R.A. 40, R.A 46, † 23/9 86.

Wedderburn, Alex., earl of Rosslyn, Scot. ♃ & statesm., * 1733 Edinb.; Solic.-Genl. 71–78, Attor.-Genl. 78–80, Chf. Just. of Com. Pleas 80–93, Chanc. 93–1801, earl 01, † 3/1 05.

Wedgwood, Josiah, potter, * 1730 Burslem, † 3/1 95.

Wedmore, Fredk., art ✓, * 9/7 1844 Clifton.

Wednesbury, ⊙ of Staffs.; 25,000 inh.; returns 1 M.P.

Wednesday (Woden's day), 4th day of week.

Weekes, Hy., ☉, * 1807 Canterbury; A.R.A. 57, R.A. 68, prof. at Roy. Acad. 73, † 28/5 77.

Weeping-ash, ♨, *fraxinus pendula.*

Weeping-willow, ♨, *salix babylonica*, of Levant.

Weever, Sting Fish, ichth., gen. *trachinus;* dragon W., *T. draco;* lesser W., *T. vipera.*

Weevil, entom., grp. of beetles with fore part of head elongated into snout.

Weigand, Karl, philol., * 18/11 1804 Unterflorstadt, † 30/6 78.

Weil, Gust., orientalist, * 24/4 1808 Salzburg; prof at Heidelberg.

Weimar, Germ ⊙, cap. of Saxe-W., on ⚓ Ilm; 20,000 inh

Weir, Harrison Wm, engraver, ●, & natl. ♛ /, * 5/5 1824 Lewes

Weise, Christ., Germ. ✆ & rom. /, * 30/4 1642 Zittau, † 21/10 1708

Weisse, Christ. Fel., Germ. ✆ & misc. /, * 8/2 1726, † 16/12 1804.

Welcker, Fried. G., Germ class Ψ, * 4/11 1784 Grunberg; prof. of anct. / Bonn, † 17/12 1868. /.

Weld, Woold, ✱, Dyer's Rocket (or Weed), *reseda luteola;* specs of wild mignonette; yields. yellow dye

Welldon, James E C, †, * 25/4 1854; headmaster of Harrow 85. /.

Wellesley, one of Straits Settlements, on W cst. of Malay Penins; *ca.* 85 m. long; ceded by Rajah of Kedah 1798; 234 s m., 75,000 inh.; a prov. under Lt.-Govr of Penang.

Wellesley, Richd Colley, marq. (& 2nd Earl of Mornington), Brit. statesm., * 20/6 1760 Dublin; eld broth of Dk. of Wellington, Govr.-Genl. of Ind. 97–1805, marq. 1799, amb. at Madrid 09, For. Sec 09–12, Lord-Lieut. of Ireland 21–28, 33–34, † 25/9 42 Knightsbridge. /.

Wellington, cap. ⊙ of N Zealand & of provinc. distr. of W., on Port Nicholson; 28,000 inh.; bpric. Founded by N.Z. Co. 1840; succ. Auckland as cap 74

Wellington, Arthur Wellesley, duke of, genl. & statesman, * 12/5 1769; entered army 87, to Calcutta 97, took Seringapatam 99, commd in Mahratta War 1803; won ⚔s Assaye 23/9, Argaum 28/11, Gawalghur 18/12; to Eng. 05, M.P. for Rye 06, mar Lady Catherine Pakenham 06, Irish Sec. 07, commd. Danish exped. 07, commd. in Portugal 08, won ⚔ Vimeira 21/8 08, Talavera 28/7 09, creat. Visct. W. 4/9 09, won ⚔ Busaco 27/9 10, Fuentes d'Onoro 5/5 11, took Almeida 10/5 11, Ciudad Rodrigo 19/1 12, creat. Earl of W. 28/2 12, took Badajoz 6/4 12, won ⚔ Salamanca 23/7 12, entered Madrid 12/8 12, creat Marq. of W. 18/8 12, won ⚔ Vittoria 21/6 13, stormd. St. Sebastian 31/8 13, entrd. France 8/10 13, won ⚔ Orthez 27/2 14, Toulouse 10/4 14, cr. dk. (with gift of £500,000) 3/5 14, won ⚔ Quatre Bras 16/6 15, Waterloo 18/6 15, invested Paris 3/7 15, commd. army of occupatn. 15–18, life attempted by Cantillon 10/2 18, Master-Genl. of Ordnance 19, com.-in-chf. 27, 28, 42–52, Premier 28–30, carried Cath. Emancip. Bill 29, For. Sec 34–35, † 14 9 52; buried St. Paul's 18/11.

Wellingtonia, ✱, Sequoias; gen. of cone-bearing trees of N.W Amer.; *W. gigantea,* Mammoth-tree.

Wells, ⊙ of Somerset; bpric. fnded 11th cent.; 4,700 inh

Wells, 1] Hy. T., ●, * 1828 London; A.R A. 66, R A. 70.

2] Sir Thos. Spencer, ✱, * 1818 St Albans; made ovariotomy successful, vice-presdt. of R.C.S 79–80, presdt. & bart. 83, Hunterian orator 82.

3] Chas. J, poet /, * 1800, † 79. *Joseph & his Brethren.*

Wemyss, Franc. W. C. Douglas, 9th earl of, * 1818, M.P. 41, succ. his father 1/1 83.

Wenceslas, 4 kgs. of Bohemia: W. IV., * 1361; s. of Emp. Chas. IV.; k. of Bohem. 63, of Rome 76, Emp. 78, abdicd. 1400, † 6/8 19

Wener, Lake, Sweden; *ca.* 2,000 s.m.; canal communicates w. Lake Wetter.

Wenlock, Much W., ⊙ of Shropshire; 20,000 inh; abbey founded 7th cent.

Wenlock Group, ⚒, middle sub-divsn of Upp. Silurian Formation, devlpd. at W.; *ca.* 4,000 ft. thick.

Wensleydale, Jas. Parke, bar., ⚖, * 22/3 1782; Just. of K.'s Bench 1828, Bar. of Exchequ 34–56, † 25/2 68.

Werder, Aug. K. L., count, Pruss. genl, * 12/9 1809; lieut.-gnl. 66, took Strasburg 70, deftd. Bourbaki 15–17/1 71, retired 79, † 12/9 87.

Wergeland, Henrik A., Norweg. poet /, * 17/6 1808, † 12/7 45.

Werner, 1] Abr. G., Germ. ⚒ & ⊕, * 25/9 1750 Wehrau; prof. of ⊕ at Freiburg 75, † 30/6 1817 Dresden. 2] Fried. L. Z., ☾ /, * 18/11 1768 Konigsberg, † 18/1 1823. 3] Anton von, ♛ ⊕, * 9/5 1843 Frankfort.

Weser, ⅄ of Germ., formed by union of ⅄s Fulda & Werra (in Hanover); falls into N. Sea; 250 m.

Wesley, John, †, founder of Methodists, * 17/6 1703 Epworth; ordained in Ch. of Eng. 25, to Georgia 35–57, † 2/3 91 London. /. 2] His bro., Charles, hymn / & preacher, * 1708, † 29/3 88. 3] Saml. S., † ♥, * 1810, † 76.

Wessel, Johann, reformg. † & ⁂, * 1419 Groningen, † there 4/10 89.

Wessex, West Saxon kingdom: Hants, Dorset, Wilts, Somerset, Surrey, Gloucestershire, Bucks.

West, 1] Benj., ♛ ⊕, * 10/10 1738 Springfield, U.S.A.; to Lond. 63, R.A. 68, P.R.A. 92–1805, again 06, † 11/3 20. 2] Gilbert, † & poet. /, * 1706, † 26/3 56.

West Bromwich, ⊙ of Staffs.; 60,000 inh.; glass, iron; rets. 1 M.P.

West Indies, islands & islets from 10°–27° N., 59° 30′–85° W.; divd. into Bahamas, Greater Antilles (83,000 s.m.), & Lesser A. (last consisting of Windward, Leeward, & Virgin Islands); altogether *ca.* 95,000 s.m., *ca.* 4,000,000 inh. Brit. islands, 13,750 s.m., 1,250,000 inh. Others belong to Spain, Fr., Holl., Denm., Sweden, Venezuela.

Westall, 1] Richd., ♛ ⊕, * 1765; A.R.A. 92, R.A. 94, † 4/12 1836. 2] His bro., Wm., landscape ⊕, * 12/10 1781; A.R.A. 1813, † 22/1 50.

Westbury, Richd. Bethell, bar., ⁂, * 30/6 1800 Bradford-on-Avon; Q.C. 40, Solic.-Genl. 52, Att.-Genl. 56, 59, Chanc. 61–65, † 23/7 73.

Westcott, Brooke Foss, †, * 1825 near Birmingham; canon of Peterborough 69, Reg. prof. of † Camb. 70. /.

Western Australia, British colony, whole of W. part of A.; 1,060,000 s.m., 40,000 inh.; prodts. timber, wool, pearls, ⊕s, horses, cattle; rlwys. 150 m.; revenue & expenditure *ca.* £390,000 each; debt £1,280,000; impts. £760,000, expts. £630,000. Cap. ⊙, Perth. Crown Govr., assisted by Exec. & Legislat. Councils, latter partly elective Settled 1829 as Swan ⅄ Settlemt.

Westmacott, 1] Richard, ☾, * 1775 London; A.R.A. 1805, R.A. 11, prof. at Roy. Acad. 27, kntd. 37, † 1/9 56. 2] His s., Rich., ☾, * 1799; A.R.A. 1838, R.A. 49, † 19/4 72.

Westmeath, co. of Leinster, Ireland; 708 s.m., 70,000 inh.; rets. 2 M.P.s (N. & S. divsns.). Chf. ⊙, Mullingar; *ca.* 5,000 inh.

Westminster, parl. borough of London, 61,000 inh.; returns 1 M.P. City of W., 230,000 inh.

Westminster Review, quarterly magazine, founded 1824.

Westmorland, N.W. Eng. co.; 758 s.m., 65,000 inh.; rets. 2 M.P.s (Appleby & Kendal divsns.). Chief ⊙, Appleby; 5,500 inh.

Westphalia, W. prov. of Pruss.; 7,771 s.m., 2,050,000 inh. Chf. ⊙, Munster. *v.* Thirty Years' War.

Wetherell, Eliz., pseud. of Susan Warner, American story /, * 1818. "Wide, Wide World" 52.

Wetter Lake, Sweden; 850 s.m.; communic. w. Baltic by ⅄ Motala.

Wexford, ⚓ co. of Leinster, Ireland; 900 s.m., 120,000 inh.; rets. 2 M.P.s, N. & S. divisions. Chief ⊙, W.; 12,000 inh.

Whale, zool., pop. name for larger *cetacea*, esp. *balæna mysticetus*.

Wharncliffe, J. A. S. W. Mackenzie, 1st bar., statesm., * 1776; Privy Seal 34, Presdt. of Counc. 41, † 45.

Wharton, 1] Phil., dk. of, poet. /, * 1698, † 31/5 1731 Catalonia. 2] Grace & Philip, pseuds. of Kath. Thompson & her son, J. C. Th., /s. "Queens of Society" 1860, &c.

Whately, Richd., † & ⁂, * 1787; archbp. of Dublin 51, † 8/10 63. / "Logic" 26, "Rhetoric" 28.

Wheat, ⁂, popular name for numerous vars. of *triticum vulgare*.

Wheat-ear, ornith., *saxicola œnanthe*, of stonechat sub-family.

Wheaton, Hy., Amer. jurist & diplom., * 1785, † 11/3 48. ✓.

Wheatstone, Chas., physicist & electricn., * 1802 Glo'ster; kntd. 68, † 20/10 75. ✓.

Wheel-animalcule, *v.* Rotifera.

Wheeler, Hugh, Brit. offr., * 1789; knighted 1850, † in Cawnpore massacre 57.

Whelk, zool., gen. *buccinum* of molluscs, esp. *B. undatum*, comm. W.; N. & Antarctic Seas.

Whewell, Wm., ♙ & †, * 1794 Lancaster; pres. of Brit. Assoc. 41, vice-chanc. of Camb. 55, † 6/3 66. ✓.

Whey, watery part of milk.

Whigs, name first assumed by promoters of revolutn. of 1688; derived fr. *ugham-more* = Scot. pack-saddle thief; now applied to moderate British Liberals.

Whimbrel, ornith., *numenius phæopus*, similar to curlew.

Whinchat, ornith., *saxicola rubetra*, bird of passage.

Whisky, alchol. liq. obtnd. by fermenting & distilling aqueous infusn. of malt dried over peat fire; 40 to 50 °/₀ of alcohol.

Whist, card-game pop. in Eng. since *ca.* end of 17th century.

Whistler, Jas. A. McNeill, ◉ & etcher, * *ca.* 1835 U.S.A.; presdt. of Soc. of Brit. Artists 86-88.

Whiston, Wm., † & math., * 9/12 1667 Norton; Lucasian prof. at Camb. 1703, deprived 10, † 22/8 52. ✓ translatn. of Josephus 1737.

Whitaker, John, ♆ & † ✓, * 1735, † 30/10 1808.

Whitbread, Saml., Whig statesman, * 1758 London, † by suic. 1815.

White, 1] Hy. Kirke, poet. ✓, * 21/3 1785 Nottingham, † 19/10 1806. 2] Gilbert, nat. ♛ ✓, * 18/7 1720 Selborne, † 20/6 93. "Nat. ♛ of Selborne" 89. 3] Joseph Blanco, † & misc. ✓, * 1775 Seville, of Irish parents; Rom. Cath. priest 99, entrd. Eng. Ch. 1814, a Unitarian 35, † 41. Sonnets. 4] Edwd., †, * 11/5 1819 London. 5] Richd. Grant, Amer. essay & crit. ✓, * 23/5 1822, † 8/4 85.

White Ant, *v.* Termites.

White Sea, estuary of Arct. O., between Lapland & Archangel; *ca.* 47,000 s.m.

Whitebait, ichth., *clupea alba.*

Whiteboys, secret agrarian soc. fnded. in Ireland 1760.

Whitefield, Geo., † & orat., * 16/12 1714 Glo'ster; joined Wesleys 34, broke w. them 40, † 30/9 70 Newbury, Mass. ✓.

Whitehaven, ♁ ⊙ of Cumberland; 20,000 inh.; returns 1 M.P.

Whitehead, 1] Chas., ⊙, poet., & nov. ✓, * 1804 London, † 62. 2] Wm., ⊙ & poet. ✓, * 1715; poet-laureate 57, † 14/4 85. 3] Paul, poet. ✓, * 1710, † 74.

Whitelock, Bulstrode, Eng. repub. statesm. & ✓, * 1605; a Comsr. of Great Seal 48, amb. to Sweden 53, accepted Restoration, † 28/1 76.

Whiteside, Jas., Irish ⚖ & statesm., * 1804; Irish Sol.-Genl. 52, Att.-Genl. 58, 65, Chf. Just. of Ir. Q.'s Bench 66, † 25/11 76. ✓.

White-throat, ornith., *sylvia undata*, comm. W.; & *S. curruca*, lesser W.

Whitgift, John, †, * 1530; bp of Worcester 77, archbp. of Canterbury 83, † 29/2 1604.

Whiting, ichth., *merlangus vulgaris*, of cod family.

Whitlow, ✗, painful inflammatory swelling at end of finger or thumb, with formation of pus.

Whitman, Walt, Amer. poet, * 31/5 1819 Long Islnd. ✓ "Leaves of Grass" 55, "Two Rivulets" 78.

Whitney, Eli, Amer. ⊕, * 1765, † 1825.

Whitsunday, †, 7th S. after Easter, fest. of desct. of Holy Spirit.

Whittier, John G., Amer. Quaker poet, * 17/12 1807 Haverhill, Mass. ✓.

Whittington, Sir Richard, Ld. Mayor of London 1397, 1406, 19.

Whitworth, Sir Jos., ⊕, * 21/12 1803 Stockport; invtd. W. rifle 55, &c., founded W. scholarship 68, bart. 69, † 87. ✓ "Guns & Steel" 78.

Whooping (Hooping) **Cough,**

℞, infect. disease, chiefly in children; give ipecacuanha & squills.

Whortleberry, or Bilberry, ⚲, *vaccinium myrtillus.*

Whymper, Edward, engraver, traveller. & /, * 27/4 1840 London; first to ascend Matterhorn 14/7 65, to N.W. Greenland 67, 72, to Ecuador 79–80.

Whyte-Melville, Geo. J., nov. /, * 1821 near St. Andrew's, † 78.

Wicked Bible, editn. of B. 1631 w. "not" omitted fr. 7th Comm.

Wickliffe, *v.* Wycliffe.

Wicklow, ⚓ county of Leinster, Ireland; 781 s.m., 70,000 inh.; rets. 2 M.P.s. Chf ⊙, W.; 3,000 inh.

Widgeon, ornith., specs. of duck, *mareca penelope.*

Wieland, Christoph M., Germ. poet. & misc. /, * 5/9 1733 Oberholzheim, † 20/1 1813 Weimar.

Wiertz, Ant., Belg. ♛ ●, * 22/2 1806 Dinant, † 18/6 65 Brussels.

Wiesbaden, ⊙ of Hesse-Nassau, Pruss.; 45,000 inh.; hot springs; gaming-tables closed 1872.

Wigan, ⊙ of Lancashire; 50,000 inh.; rets. 1 M.P.

Wight, Isle of, sep. fr. coast of Hants by Solent; 75,000 inh.

Wigton, or W. Galloway, ⚓ co. of S.W. Scot.; 512 s.m., 40,000 inh.; rets. 1 M.P. Chf. ⊙, W.; 1,700 inh.

Wilberforce, 1] Wm., philanth., * 24/8 1759; M.P. for Hull 80, opposed slavery, † 29/7 33. †/. 2] His 3rd s., Saml., †, * 7/9 1805 Clapham; dean of Westminstr. & bp. of Oxfd. 45, bp. of Winchester 69, † 19/7 73. / "Agathos" 40, &c. 3] Ern. R., 3rd son of 2, †, * 22/1 1840 Isle of Wight; canon of Winchester 78, 1st bp. of Newcastle-on-T. 82.

Wilde, 1] Sir T., *v.* Truro, Thos. W. 2] Wm. R. W., Irish ⚷, * 1796 Roscommon; kntd. 64, † 69. /. 3] His wife ("Speranza") *née* Elgee, poet. & misc. /, * 1820.

Wilkes, 1] Chas., Amer. ⚓, * 1801; seized Slidell & Mason on bd. *Trent* 61, commodore 62, rear-adml. 66, † 8/2 77. /. 2] Jno., journ. / & polit., * 17/10 1727 London; M.P. for Aylesbury 57, to Tower for article in "North Briton" 63, but released, expelld. fr. Ho. of Coms. for libel 19/1 64, M.P. for Middsx. 68, again expelld. & twice re-elected, Ld. Mayor 74, City Chamberlain 79, † 27/12 97.

Wilkie, 1] Dav., ●, * 18/11 1785 Cults, Fifesh.; A.R.A. 1809, R.A. 11, kntd. 36, † 1/6 41 off Gibraltar. 2] Wm., † & poet. /, * 1721, † 72.

Wilkins, 1] Wm., △, * 31/8 1778; R.A. 1826, blt. Nat. Gall. 38, † 31/8 39. Ψ /. 2] Sir Chas., orientalist, * 1749, † 13/5 1836. 3] Jno., †, & math., * 1614; bp. of Chester 68, † 19/11 72. /.

Wilkinson, 1] Geo. H., †; bp. of Truro 1883. /. 2] Jno. Gardner, orientalist, * 5/10 1797 Hardendale; kntd. 1839, † 29/10 75. /.

William, 4 kings of *England:* 1] I., Conqueror, * 1027 Normandy; illeg. s. of Robt. le Diable, Dk. of Normandy; suc. his fath. 35, deftd. Harold at Hastings 14/10 66, crwnd. kng. of Eng. 25/12, invad. Scot. 72, † 9/9 87 Rouen. 2] II., Rufus, * 1056 Normandy; s. of 1; crownd. 26/9 87, shot in New Forest 2/8 1100. 3] III., Prince of Orange, * 14/11 1650 Hague; s. of Wm. II. of Orange & Mary, dau. of Chas. I. of Eng.; Stadtholder of Netherlands 72; m. Prncss. Mary, dau. of Jas. II. of Eng., 78; landed Torbay 5/11 88, crowned w. his wife 11/4 89, won ⚔ of the Boyne 1/7 90, † 8/3 1702. 4] IV., * 21/8 1765; 3rd s. of Geo. III. & Qn. Charlotte; Dk. of Clarence 89, admiral 1801, m. Prncss. Adelaide of Meiningen 11/7 18, suc. Geo. IV. 26/6 30, † 20/6 37. 5] W. the Lion, kg. of Scotland, * 1142; suc. 65, † 4/12 1214. 6] 3 kgs. of *Netherlands:* I. (Fredk.), * 6/12 1772; s. of Stadtholder Wm. V.; suc. him 1806, kg. 15, lost Belgium 39, abdicd. in favour of 7 40, † 12/12 43 Berlin. 7] II. (Fredk. G. L.), s. of 6, * 6/12 1792; suc. 40, † 17/3 49. 8] (Alex. P. F. L.), * 19/2 1817; s. of Wm. II.; m. (1) Sophia F. M.,

dau. of Wm. I. of Württemberg, 39 († 3/6 77), (2) Emma E. A. W. T. of Waldeck 7/1 79; suc. 17/3 49.

9] W. the Silent, *v.* Orange **1.** **10]** (Fried. Ludwig), king of Prussia & Germ. Emp., * 22/3 1797; 2nd s. of Fredk. Wm. III. & Pcess. Louise of Meckl.-Strel.; mar. Augusta, dau. of Chas. F. Gd.-Dk. of Weimar, 11/6 29; govr. of Pomerania 40–8, fled to Eng. 48, com.-in-chf. agst. revol. 49, regent 58, suc. 2/1 61, war agst. Austria 17/6 66, head of N. German Confed. 67, war w. France 70–1, Germ. Emp. 18/1 71, life attempted. by Hoedel 11/5 78, by Nobiling 2/6 78, † 9/3 88 Berlin. **11]** His grandson, k. of Pruss. & Emp. Germ., s. of Emp. Fredk., * 27/1 1859; m. 17/2 81 Augusta Vict. of Schleswig-Holst., suc. 15/6 88.

William of Malmesbury, Eng. ♛ ✓ in Latin, 11th century.

William of Newbury, Eng. ♛ ✓ in Latin, * 1136, † 1208.

Williams, **1]** John, Congreg. missy. in South Seas, * 29/6 1796 London, murd. 20/11 1839 Erromanga. **2]** Monier, Sanscrit schol., * 1819; Boden Sansc. prof. at Oxf. 60, kntd. 86. ✓. **3]** Rowland, ✝, * 1817; contrib. to "Essays & Revs." 60, † 18/1 70. **4]** Wm. Fenwick, Brit. genl., * 4/12 1800 Nova Scotia; Brit. comsr. w. Turk. forces 54, held Kars 16/6–30/11 55, bart. 56, comd. in Canada 59, govr. of Gibraltar 70–75, † 26/7 83. **5]** Roger, Brit. ✝ & founder of Rhode Island, U.S.A., * 1606; to New Eng. 31, † 83. ✓. **6]** John, ✝, * 25/3 1582; bp. of Lincoln 21, archbp. of York 40, † 25/3 50. **7]** Anna, poet. ✓, * 1706, † 83. **8]** Daul., Nonconf. ✝ & ✓, * 1643, † 1716. **9]** Dav., misc. ✓, * 1738, † 1816. **10]** Helen M., poet. & misc. ✓, * *ca.* 1762, † 1828. **11]** Sir Chas. H., poet. ✓ & diplom., * 1709, † 59.

Williamson, Alex. Wm., ⚗, * 1/5 1824; presdt. of Brit. Assoc. 73. ✓.

Willis, **1]** Nath. P., Amer. misc. ✓, * 20/1 1807 Portland, Maine, † 20/1 67. **2]** His sister, Sarah, *v.* Parton. **3]** Robt., ✝ & ▲✓, * 1800, † 26/2 75. **4]** Browne, Ψ, * 14/9 1682, † 5/2 1760.

Will-o'-the-Wisp, Ignis Fatuus, light seen at night on marshes, &c.

Willow, Sallow, ☙, pop. name for *ca.* 160 species of gen. *salix.*

Willow-herb, ☙, gen. *epilobium.*

Wills, Wm. G., ⚙ & nov. ✓ & ☻, * 1828 Kilkenny. *Chas. I.* 72, *Mary Stuart* 74, *Jane Shore* 76, *Olivia* 78, *Claudian* (with H. Hermann) 83, *Faust* 85.

Wilson, **1]** Chas. R., diplom., * 19/2 1831 London; Finance Min. of Egypt 78–9, K.C.M.G. 80, presdt. of Egypt. Debt Comm. 80. **2]** Chas. Wm., ⚔ ☸ & ✓, * 1836; excavations in Palestine 64–6, col. 83, head of Intell. Dept. in Soudan 84–5, comd. desert col., reached Khartoum in steamer 28/1 85, K.C.B. 85, Direct.-Genl. of Ordn. Surv. of Eng. **3]** Danl., Ψ, * 1816 Edinb.; prof. of ♛ & Eng. ✓ Toronto 53, presdt. 81. ✓. **4]** J. M., ✝, * 1836; sen. wrang. Camb. 59, hd.-mast of Clifton Coll. 79. ✓. **5]** Alex., ornith. ✓, * 1766 Paisley, † 23/8 1813. **6]** Sir Archdale, Brit. genl., * 1803; took Delhi 20/9 57, † 78. **7]** Jas., econ. ✓ & statesman, * 1805 Hawick; fnded. *Economist* 43, † 11/8 60 Calcutta. **8]** J. Erasmus, ☙, * 1800; presdt. of R.C.S. & kntd. 81, brt. Cleopatra's Needle fr. Alexandria, † 8/8 84. **9]** John, Scot. missy. & orient., * 1804, † 75. ✓. **10]** And., journ. & misc. ✓, s. of **9**, * 1830, † 8/6 81. **11]** John ("Christopher North"), nov., poet. & misc. ✓, * 19/5 1785 Paisley; prof. at Edinb. 1820–53, † 3/4 54. "Noctes Ambrosianæ" 22–35. **12]** Richd., Welsh landsc. ☻, * 1713; R.A. 68, † 82. **13]** Horace H., orient., * 1786, † 1860. ✓.

Wiltshire, S.W. Eng. county; 1,342 s.m., 260,000 inh.; returns 5 M.P.s: N., N.W., W., E., & S. divisions. Chief ⊙, Salisbury.

Winchester, chf. ⊙ of Hants; 18,000 inh.; rets. 1 M.P.; cathed. 1070–97, college founded 1387.

Winckelmann, Johann J., German class. Ψ, * 9/12 1717 Stendal, murd. 8/6 68 Trieste.

Wind, air in motion, caused by diffs. in atmosph. pressure. Divd. into constant (trade-W.s), periodic (monsoons), & variable. High W., *ca.* 30 miles an hour; highest, *ca.* 120 miles.

Windham, Wm., Whig statesman, * 1750 Norfolk; War Sec. 94–1801, † 4/6 10 London.

Windischgrätz, Alfr. Ferd., prince. Austr. genl., * 11/5 1787 Brussels; suppress. revol. at Prague 1848, govr. of Mainz 59, † 21/3 62.

Windsor, ⊙ of Berks., on ⚓ Thames; 20,000 inh.; rets. 1 M.P. Castle bilt. *temp.* Hy. III.; park & forest 13,000 acres.

Windthorst, Ludw., Parly. ldr. of Pruss. Rom. Caths., * 17/1 1812 Osnabruck; Min. of Justice in Hanover 51–3, 63–5.

Windward Islands, part of Lesser Antilles group, W. Inds.; Barbadoes, St. Vincent, Grenada, Tobago, & St. Lucia belong to Britain; *ca.* 600 s.m., 114,000 inh.

Wines cont. alcohol (7 °/₀ in light Rhen. W.s to 20 °/₀ in port), tannin, vegetable acids, glycerine, &c. If fermentatn. is stopped bef. sugar in grape-juice is changed into alcohol, W. is *fruity;* if not, *dry.* Effervescing W.s are bottled before fermentation is complete.

Winnipeg, chf. ⊙ of Manitoba; 35,000 inh.

Winslow, 1] Forbes B., brain ✝, * 1810, † 8/3 74. ✓. 2] John A., Amer. ⚓, * 1811; sank *Alabama* 19/6 64 off Cherbourg, commod. 66, rear-admiral 70.

Wint, Peter de, ◆, * 1784 Stone, Staffs., † 1849.

Winter, 4th season of year; from *ca.* 21/12 to vernal equinox.

Winter, Jan W. v., Dutch ⚓, * 1750; comdr.-in-chf. of army & ⚓ und. Louis Bonaparte, † 2/6 1812.

Wisconsin, State of U.S.A.; 56,040 s.m., 1,320,000 inh. Cap. ⊙, Madison; 11,000 inh.

Wiseman, Nic. Pat., Irish ✝, * 2/8 1802 Spain; archbp. of Westminster & card. 50, † 15/2 65. ✓.

Wishart, Geo., Scot. reformer, burnt 1/3 1546 St. Andrews.

Witch Hazel, ✿, gen. *hamamelis,* especially *H. virginica.*

Witenagemot, supreme legislative & judicial authority of Anglo-Saxons, composed of earls & prelates, with leading thanes & clergy.

Wither, Geo., Puritan poet. ✓, * 11/6 1588 Alton, † 2/5 1667 London.

Witt, 1] Henriette Guizot de, dau. of M. Guizot, Fr. misc. ✓, * 1829. 2] Jan, *v.* De Witt.

Wittenberg, ⊙ of Pruss. Sax., on ⚓ Elbe; 13,000 inh. Luther's statue 1821, Melancthon's 65.

Wladislas, 7 kings of Poland & 7 kings of Hung., 11th–16th cents.

Woad, ✿, *isatis tinctoria;* yields blue colouring matter.

Woden, *v.* Odin.

Wolcot, John ("Peter Pindar"), satir. ✓, * 1738, † 14/1 1819.

Wolf, zool., pop. name for sevrl. specs. of dog fam., esp. *canis lupus.*

Wolf, 1] Fried. A., class. editor, * 15/2 1759; prof. of ⚗ Halle 83, † 8/8 1824. 2] Christ. A., ⚗, * 24/1 1679 Breslau; prof. at Halle 1707, † 9/4 54. 3] Ferd., philol. ✓, * 8/12 1796 Vienna, † 18/2 1866.

Wolfe, 1] Chas., Irish poet. ✓ & ✝, * 14/12 1791 Dublin, † 21/2 1823. "Burial of Sir John Moore." 2] Jas., Brit. genl., * 2/1 1726 Westerham; maj.-genl. & commander of Canadian expeditn. 59, fell before Quebec 13/9.

Wolff, 1] Henry Drummond, diplom., s. of 2, * 12/10 1830 Malta; Sec. to Govt. of Ionian Islds. 57–64, memb. of E. Roumel. Comsn. 78–9, on spec. missn. to Sultan 85, Min. at Pers. 88. ✓. 2] Joseph, missnry., * 1795 nr. Bamberg, † 2/5 62. ✓. 3] Pius A., Germ. ☉ & ☉ ✓, * 3/5 1784 Augsburg, † 28/8 1828 Weimar.

Wolf-fish, *v.* Cat-fish.

Wolfram, *v.* Eschenbach.

Wollaston, 1] Wm. H., Eng. ♃, * 6/8 1766; presdt. of Roy. Soc. 1820, † 22/12 28. **2]** Wm., ♁, * 26/8 1659, † 29/10 1724. /.

Wollstonecraft, Mary, *v.* Godwin **3.**

Wolseley, Garnet J., viscount, genl., * 4/6 1833 nr. Dublin; in Burmese & Crim. Wars, maj.-genl. 68, comd. Red ⅄ exped. 70, kntd. & assist. adj.-genl. 71, comd. Ashantee expedition 73–4, K.C.B. & £25,000, administr. of Natal 74–5, High Commissioner of Cyprus 78, govr. & High Comsnr. of Natal & Transvaal 79, re-organd. Zululand, qr.-genl. of army 80, adj.-genl. 82, comdr.-in-chief in Egypt 80, genl. & peer, comdr.-in-chief in Soudan 84–5. /.

Wolsey, Thos., statesm. & †, * 1471 Ipswich; dean of Linc. 1508, archbp. of York, Chanc & Prime Min. 15, card. 16, disgraced 29, † 28/11 30 Leicester.

Wolverhampton, ⊙ of Staffs.; 170,000 inh.; rets. 3 M.P.s.

Wolverine, or Glutton, zool., *gulo arcticus*, of weasel group.

Wolverton, Geo. G. Glyn, 2nd bar., statesm., * 10/2 1824, † 6/11 87.

Wood, Ellen (*née* Price), nov. /, * *ca.* 1820 Worcestersh.; marr. Mr. Henry W., edited *Argosy*, † 10/2 87. "East Lynne" 61, &c. **2]** Henry Evelyn, genl., * 1838; enterd. navy 52, wounded in Crimea, entd. army 55, V.C. in Indian Mut. of 58–9, in Ashantee 73, C.B. & col. 74, in Zulu War 79, K.C.B., in Transvaal 80–1, in Egypt 82, comdr.-in-chf. in Egypt 82–5, major-genl. 86.
3] John George, naturalist, * 1827 London. /. **4]** Mrs. John (*née* Vining), ☉, * *ca.* 1845.
5] Anthony a, Ψ, * 17/12 1632, † 29/11 95. /. **6]** Sir Chas., *v.* Halifax **2.** **7]** Wm. Page, *v.* Hatherley.

Woodburytype, process of photographic printing fr. plate of lead impressed by gelatine negative.

Woodchuck, *arctomys monax*, species of Marmot.

Woodcock, ornith., *scolopax rusticola*; Europe & N. Asia.

Woodfall, Wm. ("Memory W."), journ. /, * *ca.* 1745, † 1803.

Wood-louse, entom., the milleped, genus *oniscus*.

Woodpecker, ornith., family *picidæ*, climbers of order *picariæ*.

Wood-pigeon, *v.* Ring-dove.

Woodrow, Robt., Scot. Presby. †, * 1679, † 1734. W. Soc., /, established 1841.

Woodruff, ✿, gen. *asperula*, esp. *A. odorata*, sweet W.

Wood-rush, ✿, gen. *luzula* of rushes; 6 British species.

Wood-sage, *v.* Germander.

Wood-sorrel, ✿, *oxalis acetosella*.

Woods, Hy., ☻, * 23/4 1847 Warrington; A.R.A. 82.

Woodward, Bernard B., Ψ, * 2/5 1816 Norwich, † 12/10 69. /.

Woody Nightshade, *v.* Bittersweet.

Woolner, Thos., ♘ & poet. /, * 17/12 1826 Hadleigh; A.R.A. 71, R.A. 76, prof. of ♘ in R.A. 77–79.

Woolston, Thos., Eng. deist. /, * 1669, † in prison 27/1 1733.

Woolwich, Kent, ⊙ on Thames; 80,000 inh.; arsenal; rets. 1 M.P.

Worcester, 1] W. Eng. county; 1,173 s.m., 880,000 inh.; rets. 5 M.P.s: W., S., Mid, N., & E. divs. Chf. ⊙, W., on ⅄ Severn; 40,000 inh.; 11th cent. cathed.; rets. 1 M.P. ⚔ 3/9 1651, Chas. II. deftd. by Cromwell. **2]** ⊙ of Mass., U.S.A.; 60,000 inh.

Worcester, Edwd., Somerset, marq. of, statesman & ☻, * 1601; Ld.-Lieut. of Wales, † 3/4 67. /.

Wordsworth, 1] Wm., poet. /, * 7/4 1770 Cockermouth; poet-laur. 1843, † 23/4 50. / "Excursion" 14, "White Doe of Rylstone" 15, "Peter Bell" 19, "Yarrow Re-visited" 35, "Borderers" 42. Life by **2.** **2]** His neph., Christoph., †, * 1807; hd.-master of Harrow 36, canon of Westminster 44, archd. 65, bp. of Lincoln 69, † 21/3 85. / "Greece" 42, Grk. Test. 56–60, &c. **3]** His bro., Chas.,

†, * 1806; bp. of St. Andrew's 52. /. 4] John, son of 2, †, * 21/9 1848 Harrow; can. of Rochester 83, bp. of Salisbury 85. /.

Worms, ⊙ of Hesse, on Rhine; 17,000 inh.; cathed. 8th cent.; Luther's statue 1868. Diet 4/4 1521.

Worms, ✱, organisms introd. into intestines by eatg. imperfectly-cooked meat, &c.

Worms, Baron Hy. de, polit., * 20/10 1840 London; Parly. Sec. to Board of Trade 85, 86. /.

Wormwood, ✱, gen. *artemisia*, esp. *A. absinthum;* bitter.

Woronzow, Mich., Prince, Russ. genl., * 17/5 1782 St. Petersburg, † 18/11 56 Odessa.

Worsley, P.S., transl. of Homer, * 1835 Kent, † 8/5 66 Isle of Wight.

Worsted, yarn fr. long-staple wool twisted hard in spinning.

Wotton, 1] Sir Hy., diplom. & misc. /, * 9/4 1568, † 1639. 2] Wm., † & misc. /, * 1666, † 1726.

Wouvermans, Phil., Dut. ●, * 24/5 1619 Haarlem, † 19/5 68.

Wrangel, 1] Fried. H. E., count, Pruss. ⚔, * 13/4 1784, † 1/11 77 Berlin. 2] Karl G., count, Swed genl., * 13/12 1613, † 24/6 1776 Rugen.

Wranglers, at Camb. Univ. the 1st class in the math. tripos.

Wrasse, ichth., pop. name for many species of fam. *labridæ*.

Wraxall, Nath. W., traveller & ✍ /, * 1751; bart. 1813, † 7/11 81.

Wrede, Karl Phil., prince, Bav. genl., * 29/4 1767, † 12/3 1838.

Wren, ornith., fam. *troglodytidæ*, esp. *troglodytes vulgaris*, comm. W.

Wren, Christoph., △, * 20/10 1632 East Knoyle; re-blt. St. Paul's, &c., aft. Great Fire, designd. Chelsea & Greenwich Hospitals, knighted 72, presdt. of Royal Society 80, † 25/2 1723.

Wright, 1] Thos., Ψ, * 1810, † 23/12 77. /. 2] Wm., orientalist, * 17/1 1830 Bengal; prof. of Arabic at Cambridge 70. /.

Wriothesley, Thos., earl of Southampton, Eng. ✠ & statesm.; Great Seal 1544, Chancellor, † 50.

Wrottesley, John, Lord, ⚔, * 5/8 1798; presdt. of Roy. Soc. 1854–57, † 27/10 67. /.

Wryneck, ornith., gen. *yunx*, esp. *Y. torquilla*, common W.

Wulstan, Wolfstan, Wolstan, 1] monk of Winchester, 9th cent. /. 2] Archbp. of York, 11th century /. 3] Bp. of Worcester, 11th century.

Wurmser, D. S., count, Austr. genl., * 1724, † 22/8 97.

Württemberg, kingdom of S. Germ., betw. Bav. & Baden; 7,531 s.m., 2,000,000 inh. Cap. ⊙, Stuttgart. Diet of 2 Houses. ♛: a duchy until 1806, when Napol. made it a kingdom. King, Chas. 36, succ. 25/6 1864.

Würzburg, ⊙ of Bav., on ⚓ Main; 50,000 inh.; 11th cent. cathedral; university 1582

Wyatt, 1] Richd. J., ◎, * 1795, † 27/5 1850. 2] Benj. D., △, * 1775, † 1850. 3] Matthew C., ◎, * 1777, † 1862. 4] Sir Matth. D., △, * 1820; Slade prof. at Camb., † 75. 5] Jas., △, * 1746; A.R.A. 70, R.A. 85, P.R.A. 1805, † 5/9 13. 6] Thos., diplom. & poet. /, * 1503; kntd. 36, amb. to Madrid 37, † 11/10 42. 7] His son, Thos., ⚔, * 11/4 1521; rebelled in Kent 54, exec. 11/4.

Wycherley, Wm., ◐ & poet. /, * 1640 Clive, † 1715 London.

Wycliffe, John, Reform. †, * 1324 W., Yorksh.; master of Balliol 61, rector of Lutterworth 74, transl. Bible, † 31/12 87.

Wykeham, Wm. of, † & statesman, * 1324 Wickham; bp. of Winchester 66–1404, Chanc. 1367–71, fndr. of New Coll. Oxford & Winchester College, † 27/9 1404 S. Waltham.

Wyndham, Chas., ◐, * 1841 Liverpool.

Wynter, And., ✱ & misc. /, * 1810, † 76.

Wyntoun, And., Scot. ✍ /, 15th century.

Wyoming, since 1868 a territory of U.S.A.; 97,890 s.m., 22,000 inh. Cap. ⊙, Cheyenne.

X.

X, 24th letter of alph., double consonant. X = 10; ⋈ = 1,000; X̄ = 10,000. *x* in math. = unknown quantity.

Xantippe, scolding wife of Socrates; hence a scold.

Xavier, St. Francis, Rom. Cath. missnry. to East, * 7/4 1506 X., Navarre, † 22/12 52 near Macao.

Xenocrates, Grk. ⚖, * 396 B.C.; presdt. of Acad. at Athens 340, † 314.

Xenophanes, Grk. ⚖ 6th c. B.C.

Xenophon, Athen. genl. & ♛ /, * *ca.* 444 B.C.; pupil of Socrates; led retreat of 10,000, † 359 Corinth (?).

Xeres, *v.* Jeres.

Xerxes, Persian king; succ. 485 B.C., invaded Greece 480, deftd. at Salamis 20/10, assassinated 465.

Ximenes de Cisneros, F., Span. statesm., * 1437 Torrelaguna, † 8/11 17.

Xyloidin, ⚗, explos. substance related to gun-cotton.

Y.

Y, 25th letter of alph., vowel & semi-vowel.

Yak, zool., *bos poëphagus*, small ox; W. Thibet.

Yakoub Khan, Ameer of Afghanistan, * *ca.* 1847; s. of Shere Ali; succ. & abdicd. 79.

Yam, ☘, tuber or root of var. plants of genus *dioscorea*.

Yang-tze-kiang (Blue ⅄), ⅄ of Thibet & China; rises Kuen Lun ⛰, N.E. Thibet; falls into Pacific.

Yard, Brit. & Amer. standard of length = 3 feet = 36 inches.

Yarmouth, ⚓ ⊙ of Norfolk, on Yare; 40,000 inh.; rets. 1 M.P.

Yarrell, Wm., naturalist, * 1784 † 1/9 1856. /.

Yataghan, *v.* Ataghan.

Yates, Edmund H., journ., nov., & ✆ /, * 1831; ed. *Tinsley's* 67, estab. *World* 74, *Time* 79.

Yeames, Wm. F., ◉, * 0/12 1835 Taganrog; R.A. 78.

Yeast, ⚗, aggregation of minute cells, each cell a fungous plant, *torula cerevisiæ*.

Yedo, Tokio (*q.v.*).

Yellow Fever, ☤, contagious disease in hot countries; resembles typhus F.; high mortality.

Yellow-hammer, Y. Bunting, ornith., *emberiza citronella*.

Yellow River, *v.* Hoang-ho.

Yellowstone, ⅄ of U.S.A.; joins Missouri; 700 m.

Yenesei, ⅄ of Siberia; rises in Altai ⛰, falls into Arct. O.; 3,400 m.

Yew, ☘, *taxus baccata*; Europe.

Yokohama, ⚓ ⊙ of Japan, on island of Niphon; 65,000 inh.

Yonge, Charlotte M., nov. & misc. /, * 1823 Otterbourne.

Yonne, dept. of N.E. Fr.; 2,868 s.m., 260,000 inh. Chf. ⊙, Auxerre.

York and Albany, H.R.H. Fredk., duke of, 2nd s. of Geo. II., * 16/4 1763; prince-bp. of Osnaburg 64, duke 84, marsh. 95, comdr.-in-chief 95–1809, 11–27, † 5/1 27.

York von Wartenberg, Hans D. L., Pruss. genl., * 26/9 1759 Potsdam; marshal 1821, † 4/10 30.

Yorkshire, largest English co.; 6,095 s.m., 2,900,000 inh.; rets. 26 M.P.s: N. Riding 4, E. Rid. 3, W. Rid. 19. [Chf. ⊙, York, on ⅄ Ouse; 60,000 inh.; archbpric.; minster 13th & 14th cents.; rets. 2 M.P.s.

Youmans, Edw. L., Amer. scient. /, * 3/6 1821 N. York State, † 18/1 87.

Young, 1] Arthur, ✓ /, * 7/9 1741 Bradfield, † 12/4 1820. 2] Brigham, Mormon "prophet," * 1/6 1801; president 44, fnded. Salt Lake Valley 46, † 29/8 77. 3] Charles M., trag. ✆, * 1777; † 21/6 56. 4] Thos., ✆ & ⚖, * 13/6 1773 Milverton, † 10/5 1829. /. 5] Edw., ✆ & poet. / & †, * 1684 Upham, † 12/4 1765. "Night Thoughts" 42–46. 6] Patrick, Scot. class. schol. & comment. /, * 1584, † 1652. 7] Sir Wm., misc. /, * 1750, † 1815.

Ypsilantis, Greek fam. at Constantinople fr. Trebizond: 1] Alex., * 1792; in Russian army, regent

of Greece 1821, deftd. at Galatz, † 31/1 28 Vienna. 2] His bro., Dimitrios, * 25/12 1793; comdr.-in-chief 1827–29, † 3/1 32 Vienna.

Ysolde, Ysonde, British myth., dau. of Q. of Ireland, & wife of King Mark of Cornwall.

Yttrium, ♃, a rare metallic element; atom. wt. 61·7. Protoxide is rare earth yttria.

Z.

Z, last (26th) letter of alphabet, consonant.

Zachariä, 1] Fried. W., Germ. poet. ✓, * 1/5 1726, † 30/1 1877. 2] Karl S., ⚖, * 14/11 1769 Meissen, † 27/3 1843. ✓. 3] Hein. A., ⚖, * 20/11 1806, † 29/4 75.

Zahn, Wilhelm, Germ. ⚗, * 21/8 1800 Rodenberg, † 22/8 71 Berlin. ✓.

Zaire, *v.* Congo.

Zama, anct. ⊙ of Numidia; ⚔ 202 B.C., Hannibal deftd. by Scipio.

Zambesi, ⚓ of S.E. Africa, falls into Mozambique Chanl.; *ca.* 1,900 miles.

Zambo, child of a mulatto & Indian.

Zamora, N.W. prov. of Spain; 4,135 s.m., 250,000 inh. Chf. ⊙, Z.; 10,000 inh.

Zanardelli Giuseppe, Italian statesm. & ⚖, * 1826 *Brescia*; Min. of Pub. Wks. 76, Home Min. 78.

Zante, an Ionian isld.; 156 s.m., 45,000 inh. Chf. ⊙, Z.; 20,000 inh.

Zanzibar, territory on E. coast of Africa, betw. 3° N. to 11° 30′ S., inclds. island of Z., 614 s.m., *ca.* 200,000 inh.; revenue *ca.* £245,000; impts. £800,000, expts. £1,200,000; army 1,200 men. ♛: conqd. 1784 by a Sultan of Oman, Arab.; Sultan, Sayyid Khalijah, succ. 26/3 1888. Germ. protect. over pt. of kingdm.

Zealand, 1] Seeland, Dan. isld. in Baltic; 2,672 s.m., 650,000 inh.; Copenhagen on E. coast. 2] W. prov. of Netherlands; 690 s.m., 190,000 inh.; inclds. Walcheren & other islands. Chief ⊙, Middleburg, on Walcheren.

Zebra, *zool.*, *equus* (or *asinus*) *zebra*, striped quadruped of S. Afr.

Zebu, zool., *bos indicus*, with 1 or 2 humps on shoulders; venerated by Hindus.

Zeller, Ed., Germ. †, ♛, & ⚗ ✓, * 22/1 1814 Kleinbottwar; prof. of † at Berlin 72.

Zemindar, India, landed propr. subject to land-tax & to some ill-defined tenant-right of his sub-tenants.

Zend, anct. Indian lang., closely allied to Sanscrit, in wh. are writtn. the Zoroastrian sacred books.

Zendavesta, † writings of Parsees, ascribed to Zoroaster.

Zendrini, Bern., Ital. poet. ✓, * 6/7 1839 Bergamo, † 5/8 79.

Zenghiz Khan, *v.* Jenghiz K.

Zenith, *v.* Nadir.

Zeno, 1] Greek ⚗ at Elea, 5th cent. B.C.; one of fnders. of Eleatic School. 2] Grk. ⚗ at Athens, 3rd cent. B.C., * Citium. *v.* Stoics.

Zenobia, Qn. of Palmyra, wife & suc. of Odenatus; prisnr. by Aurelian 273, † Tibur.

Zeolites, ⊕, double silicates of alumina & alkalies; w. water, fnd. in cracks of rocks, &c.

Zephyr, Rom. myth., W. wind, son of Æolus & Aurora.

Zeus, *v.* Jupiter.

Zeuxis, Grk. ☻, * 455 B.C. Heraclea, † 400.

Zieten, 1] Hans J. v., Pruss. genl., * 18/5 1699, † 26/1 1786 Berlin. 2] Hans E. K., count, genl., * 5/3 1770, † 3/5 1848.

Zimmermann, 1] Joh. G., Swiss ⚗ & ✓, * 8/12 1728 Brugg, † 7/10 95 Hanover. "Solitude," &c. 2] Clem. v., ♛ ☻, * 8/11 1789 Dusseldorf, † 24/1 1869 Munich. 3] Robt., ⚗, * 2/11 1824 Prague; prof. at Vienna 61. ✓.

Zimmern, Helen, ⚗ & misc. ✓, * 25/3 1846 Hamburg; to Eng. 50. "Tales from the Edda" 82, &c.

Zinc, ♃, hard bluish-white highly crystalline metal, found mainly as *blende*, *calamine zincite* (oxide of Z.), & *electric calamine* (a

silicate of Z.); sp. gr. *ca.* 7, fuses at 773°; forms compounds with organic radicles.

Zincography, applictn. of the lithographic process, using zinc plates instead of stones.

Zingarelli, Nic. A., Ital. ♫, * 4/4 1752 near Naples, † 5/5 1837.

Zingari, *v.* Gipsy.

Zinzendorf, Nic. L., cnt., Morav. ✝ & missy., * 26/5 1700 Dresden; fnded. ⊙ of Herrnhut for Moravns. 22, bp. 27, † 9/5 60 Herrnhut. ⁄.

Zirconium, ♎, rare metallic element; at. wt. 89·6, spec. grav. 4·15. Its oxide, Zirconia, one of the most infusible substncs. known.

Ziska, J., Hussite leader, * 1360; took Prague 1420, † 12/10 24.

Zither, ♫, flat stringd. instrmt. much used by Tyrolese.

Zodiac, ♈, imag. belt extendg. *ca.* 8° on either side of ecliptic, divd. into 12 equal parts, "signs." In time of Hipparchus they were occupied by the 12 constellations, Aries, Taurus, Gemini, Cancer, Leo, Virgo, Libra, Scorpio, Sagittarius, Capricornus, Aquarius, Pisces.

Zoïlus Greek ⁄, *ca.* 270 B.C.

Zola, Emile, Fr. nov. ⁄, * 2/4 1840 Aix. "L'Assommoir," "Nana," &c.

Zöllner, 1] Karl F., Germ. ♫, * 17/3 1800, † 25/9 60. 2] J. F., ♈, * 8/11 1834 Berlin, † 25/4 82.

Zollverein, union of German States formed 1819 to regulate Customs' duties & trade generally.

Zoology, divisn. of biology wh. treats of morphol., physiol., life-♈, classific., & distrib. of anims.

Zoophyte, zool., any plant-like anim.; *e.g.*, sponges, sea-anemones.

Zoospore, ♨, reproduct. body in certain *algæ* & *fungi*.

Zoroaster, ✝, fndr. of Parsees, 6th century B.C. (?).

Zorrilla, 1] José, Span. poet, * 21/2 1818 Valladolid. 2] Manuel R., Span. repub. statesm., * 1834 Castile; Min. of Wks. 68, 71, of Just. 69, Presdt. of Cortes 70, exiled.

Zouave, ⚔, soldr. of light inftry. corps in Fr. army, orig. formed in Algeria, but now Frenchmen. Still retain Turk. trousers & other points of original uniform.

Zouch, 1] Richd., Eng. ⚖, * *ca.* 1590, † 1660. ⁄. 2] Thos., ✝ & ⁄, * 1737, † 1815.

Zschokke, Hein., misc. ⁄, * 22/3 1771 Magdeburg, † 27/6 1848.

Zug, Sw. canton; 92 s.m., 23,000 inh. Chief ⊙, Z.; 4,500 inh.

Zuider Zee, large gulf N. of Netherlands; partly reclaimed.

Zulu Republic, New R., formed out of Zululand by Boers 1884; 1,800 s.m. Cap. ⊙, Vryheid.

Zululand, part of Cape Colony, S.E. Afr.; 10,000 s.m., *ca.* 200,000 inh. ♛: army organised by Chaka, begin. of 19th cent.; Cetewayo succ. 1873, war w. Brit. 79, deftd., country divd. into 13 chieftainships; Cetewayo partially restored 82, expelled by Usibepu 83, country annexed 87, except Zulu Republic.

Zumpt, Karl G., philol., * 20/3 1792 Berlin; prof. of Rom. ⁄ there 1836, † 25/6 49 Karlsbad.

Zürich, Swiss canton; 665 s.m., 320,000 inh.; lake. Chf. ⊙, Z.; 26,000 inh.; 11th cent. cathedral; univ. founded 1832.

Zwingli, Ulrich, Sw. reforming ✝, * 1/1 1484 Wildhus, slain ⚔ Kappel 11/10 31. ⁄.

Zwirner, Ernest F., Germ. ▲, * 28/2 1802, † 22/9 61 Cologne.

Zymotic Diseases, ♨, contag. diseas. suppd. to be caused by spec. germs: so named fr. analogy with growth of yeast-cells in fermentn.

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